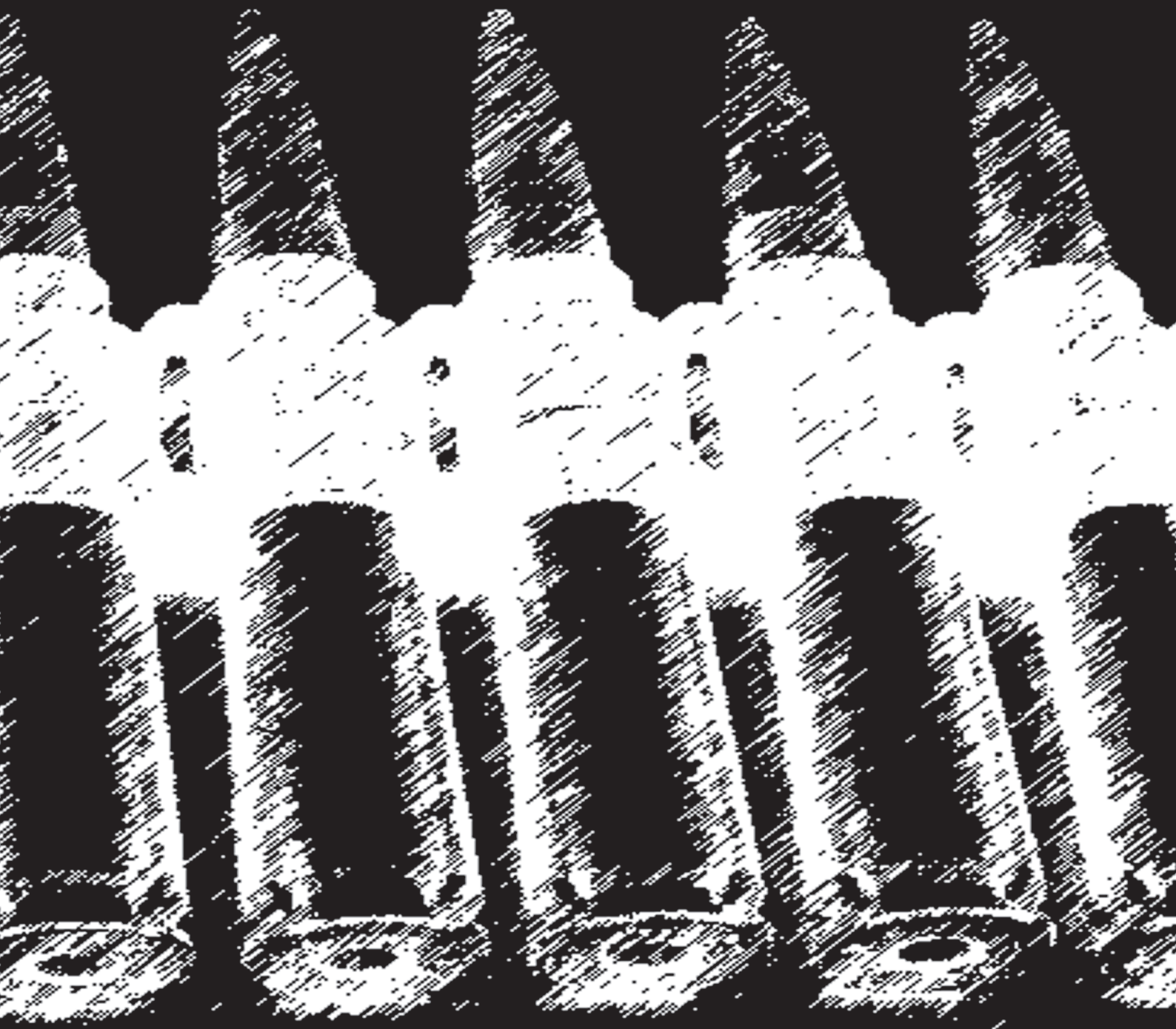
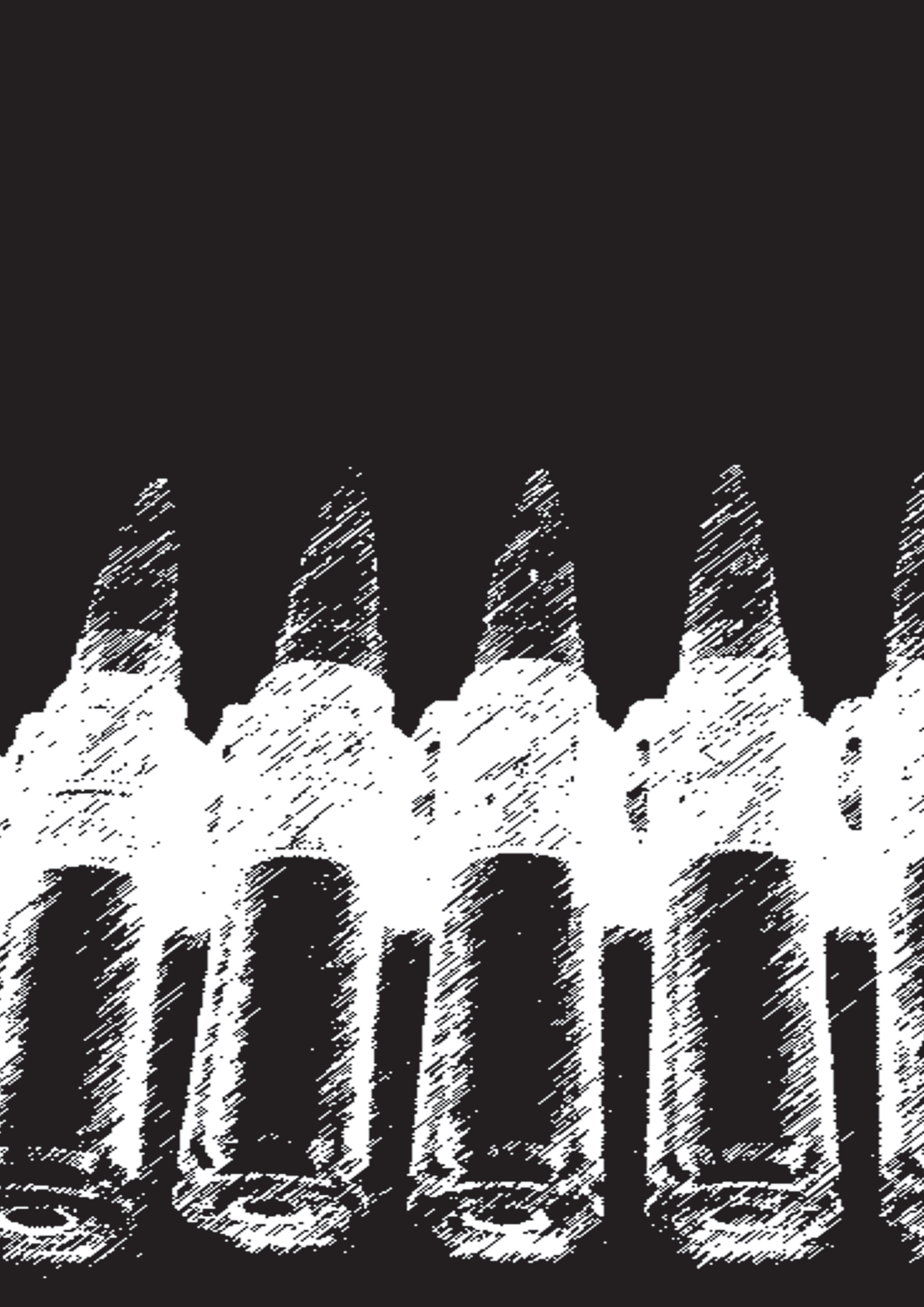


Profiting from war

New Zealand's weapons and military-related industry





**Profiting from war:
New Zealand's weapons and military-related industry**

Peace Action Wellington
November 2015

Contents

Executive Summary

- 1. Introduction 7
- 2. Scope of this report..... 7
- 3. Purpose of this report 8
- 4. Background on New Zealand weapons and dual-use technology export controls..... 8
- 5. Definitions 9
- 6. Government support for the weapons & military-related industry..... 9
 - Current government contracts..... 10
 - Support for industry lobby..... 11
 - Trade related support for companies..... 12
 - Defence Industry Advisory Council, Ministry of Defence Industry Liaison Staff & NZDF Defence Attachés..... 13
 - Research & Development funding..... 14
 - Defence Technology Agency..... 15
 - Super Fund investments..... 15
- 7. Overseas buyers of New Zealand manufactured industry goods and services 17
- 8. Size of the New Zealand weapons & military-related export industry 18
- 9. Profiles of company activities..... 18
- 10. Related issues of concern 34
- 11. Conclusions and further questions..... 35
- Appendix: additional company listings..... 37

Executive Summary

This report is an overview of the weapons & military-related industry in New Zealand. It outlines links between the New Zealand Government and the local and international weapons and military-related industry. It provides background information about the companies involved, their clients and the New Zealand government's support for that industry.

There are at least 258 companies in New Zealand involved in the provision of weapons or military-related products and services. The New Zealand Defence Industry Association (NZDIA) represents 83 of these companies.

Despite NZ participating in numerous arms control treaties, it is actively encouraging the export of military-related goods and services.

In the international community, there is no agreed upon definition of weapons or military-related products and services.

The estimated value of major NZ military projects currently underway, or planned for completion by 2030 is more than \$15 billion, with individual capital equipment projects generally having costs in excess of \$15 million. These projects involve contracts with the world's largest weapons manufacturer, Lockheed Martin, and other major weapons suppliers.

Successive New Zealand governments have encouraged the development of the industry:

- A ministerial advisory committee sponsors annual awards for best defence contractor.
- NZTE sends staff to overseas weapons conferences to meet with weapons manufacturers in an effort to expand NZ business opportunities in the sector.
- NZTE sponsors trade stalls for the industry lobby group, the NZDF and NZ companies that have promoted weapons & military-related exports at overseas conferences.
- Since 2013, NZTE has provided over \$425,000 for the Security Technology Alliance business consortium to bid for US security contracts.

- The NZ Callaghan Innovation Fund has provided multiple taxpayer-subsidised grants over the years 2012-2016 to Cubic Defence, the NZ subsidiary of US defence contractor, the Cubic Corporation, that holds contracts with the Israeli Defence Force and the US military.
- Callaghan Innovation has also provided grants to New Zealand companies that are providing goods and services to overseas militaries including Tait (in excess of \$11 million over the period 2008-2015) and Electropar (\$447,000 for the period 2010-2014).
- The NZ Super Fund holds stock currently valued at \$136 million in the world's largest weapons companies including Boeing, BAE and Raytheon.
- The Defence Technology Agency sells publicly funded research to private companies where it can be on-sold to other militaries for profit.

There is significant government involvement in the industry lobby group, the New Zealand Defence Industry Association:

- Employees of the Ministry of Defence and members of the New Zealand Defence Force (NZDF) actively participate in the planning of the annual NZDIA conference through attendance at regular meetings and the provision of speakers and equipment.
- New Zealand Trade and Enterprise (NZTE) is a financial sponsor of the industry weapons conference; in addition, it provides speakers to discuss business opportunities with members of the NZDIA.

New Zealand manufactured weapons & military-related goods and services have been sold to the following countries: Australia, Bahrain, Chile, Egypt, Kuwait, Lebanon, Oman, Pacific Island Nations (not specified), Saudi Arabia, Thailand, Tunisia, the United Arab Emirates, Qatar, the USA and the UK.

Despite the Ministry of Foreign Affairs and Trade (MFAT) collecting important data in the form of applications under the *Strategic Goods List*, the total size and revenue of the NZ weapons & military-related export industry is unknown. Next year, New Zealand will file its first annual report under the Arms Trade Treaty which will include some of this data. The Treaty is limited in scope, and important technologies will be missed out in any accounting.

This report has been produced by Peace Action Wellington in support of its campaign to stop the annual New Zealand Defence Industry Association conference and to raise critical awareness of wider questions about New Zealand's role in war and international conflicts. It is a preliminary report in what will be ongoing and regular reporting on the issue.

It is Peace Action Wellington's view that state support for this industry, particularly its overseas promotion and development, exacerbates conflict, increases global instability and encourages war. Domestically, state support for this industry deprives New Zealanders of scarce resources that would otherwise bring about better, healthier, safer communities: housing for the poor, health care for the infirm, and education for all.

1. Introduction

This report has been produced by Peace Action Wellington in support of its campaign to stop the annual New Zealand Defence Industry Association conference (herein known as the “Weapons Conference”). The conference has been staged for 18 years; the 2015 event will be the largest conference in the Association’s history.

Peace Action Wellington is a non-profit, non-aligned, community organisation that formed in 2002 following New Zealand’s commitment to the US-led War on Terrorism. Membership is free and open to anyone who is in agreement with the principles of the organisation.

2. Scope of this report

This report is an attempt to provide a comprehensive overview of the weapons & military-related industry in New Zealand. It is intended to provide information about the companies involved in the industry—what products they make, how much and for whom—and about the New Zealand government’s support for that industry, both politically and financially.

The companies that make up this report fall into three categories: 1. Members of the New Zealand Defence Industry Association (NZDIA) 2. New Zealand companies that are not a member of the Association, but that are engaged in some way in the provision of weapons & military-related goods and services, as discussed below and 3. Multinational weapons and military-related companies that are linked to the New Zealand government either through contracts and/or investments but that are not NZDIA members.

1. The NZ Defence Industry Association

The NZDIA is the government-recognised industry body for the defence sector. It has as its mission:

“To create a platform which can be used to establish and enhance Defence Industry supply capabilities, either individually or in partnership with other members or overseas technology partners, thereby providing the opportunity to compete successfully for domestic and international defence contracts.”¹

1 New Zealand Defence Industry Association. Adoption of Rules of Incorporation. 1998

It was organised in 1998 as the NZ Defence Technologies Action Group, a joint partnership between NZ defence industry organisations and NZ Trade (the Trade and Development Board, now NZ Trade and Enterprise).² It is an incorporated society. In 2002, it changed its name to the NZ Defence Industry Association. In 2014, the constitution was formally amended to remove references to NZ Trade (and any successor agency).

In 2015, members of the NZDIA number 83. It includes NZ-owned companies, NZ registered subsidiaries of global corporations, and multinational corporations.

2. Non-Defence Industry Association members

The *Australian and New Zealand Defence Directory*³ lists 208 New Zealand companies. With duplicates discounted, an additional 175 companies are listed as engaged in some way in provision of weapons & military-related goods and services. There are other New Zealand companies, such as Tait Electronics, that are neither members of the NZDIA nor listed in the *Directory*, that have significant overseas military contracts. Knowledge of these companies' links to the weapons and military-related industry has come about largely through research and/or serendipity.

3. Multinational corporations

There are a number of multinational weapons and military-related corporations linked with the New Zealand Government that are not members of the NZDIA. These essentially fall into two categories: corporations that bid for NZDF contracts and corporations in which the NZ Government invests.

3. Purpose of the report

At present, there is little public information available about the nature, scope and size of the weapons & military-related industry in New Zealand. This report is intended to establish a factual compendium, as the nucleus for further, ongoing research into the industry. It is intended to be a source of reliable, verifiable information for journalists, members of the public and campaigners working on this and related issues.

4. Background on New Zealand weapons and dual-use technology export controls

Despite New Zealand being the signatory to five international conventions⁴ governing the sale and transfer of weapons and dual-use technology, data from any compliance reports is not publicly available. In a 2009 study, it was observed that “to date, records of the value of defence/dual-use exports have not been recorded by relevant Government agencies, nor industry bodies.”⁵

The Wassenaar Arrangement, formally established in July 1996, is a voluntary export control regime whose 41 members exchange information on transfers of conventional weapons and dual-use goods and technologies. The Arrangement forms the structure of the NZ Ministry of Foreign Affairs and Trade's *Strategic Goods List*. The *List* is comprised of two parts: 1. Military goods and technologies and non-military lethal goods (ML) 2. Dual-use goods and technology (primarily for civilian use, but which have significant military applications, whether in conventional weapons systems, or for the development of weapons of mass destruction). Approval is required to export any products (including IT software) on the *List*.

² NZ Defence Technologies Action Group. Amended Rules. 10 August 1998.

³ <http://www.austandnzdefence.com/>

⁴ New Zealand is a signatory to the Arms Trade Treaty, the Wassenaar Arrangement on Export Controls for Conventional Arms and Dual-Use Goods and Technologies, the Australia Group on chemical and biological weapons materials, the Nuclear Suppliers' Group, and the Missile Technology Control Regime.

⁵ Defence Industry Companion Study. Ministry of Defence. 2009. <http://www.defence.govt.nz/pdfs/defence-review-2009-released-defence-industry-companion-study.pdf>

New Zealand is due to file its first annual report under the recently ratified Arms Trade Treaty (ATT) in May 2016. While there are not prescriptive requirements for reporting, the Treaty recommends including the quantity, value, type/model/serial number, exporting/transit country and end users. Requirements around controls of goods covered by the other three treaties are incorporated into the *Strategic Goods List*, but there are no additional reporting requirements.

Unfortunately, neither MFAT nor Customs currently publish a list of approved commercial sales or transfers under either part one or two of the *Strategic Goods List*. The Wassenaar Arrangement requires reporting of the transfer or denial of military or dual-use goods, but only about countries that are not signatories to the agreement. Thus even with the five treaties, significant gaps remain in reporting requirements (e.g. dual-use items to Wassenaar signatories). At the time of publication, Peace Action Wellington was awaiting a delayed response from MFAT to an Official Information Act request for the details of commercial applications to export military and related goods made under the *Strategic Goods List*.⁶

5. Definition of weapons & military-related industry⁷

In this report, the weapons & military-related industry is defined as those companies or organisations that are involved in the production or supply of:

- Weapons or components for weapons systems or their guidance and control systems
- Communications equipment, or components for such systems, used by armed forces
- Armed forces training equipment, including aircraft used for military training purposes, weapons and combat simulators, bomb scoring systems and remote detonation systems
- Loading equipment, vehicles, vessels or parts of these for military use
- Ammunition, clothing, rations or any other supplies for armed forces
- All other products and services for military or paramilitary police purposes, including Information Technology (IT), surveillance systems, management, consultancy, testing, logistics, and maintenance and refurbishment of military equipment.

The Stockholm International Peace Research Institute [SIPRI] (from which some data in this report is taken) considers arms sales to represent “sales of military goods and services to military customers, including both sales for domestic procurement and sales for export.”⁸ However, this definition excludes the supply of non-military specific goods and services to the military, even though such supplies are essential to the operation of armed forces.

The NZ Ministry of Defence has defined “defence industry” as “any industry engaged or potentially engaged wholly or partly in support of the New Zealand Defence Force or involved in defence export activity.”⁹

6. Government support for the industry

In 2009, as part of the Ministry of Defence’s review, a defence industry study was undertaken. Its subtitle was *Examining Options for Economic Improvement in the Sector*. One of the primary

⁶ <https://fyi.org.nz/request/3181-strategic-goods-list#incoming-10110>

⁷ This definition was adapted from the Network Opposed to Weapons and Related Production. 2009 Petition to Parliament. “End government support for military exports” <http://www.converge.org.nz/pma/nowarpet.pdf>

⁸ Stockholm International Peace Research Institute. Sources and Methods. http://www.sipri.org/research/armaments/production/recent-trends-in-arms-industry/copy_of_sources_methods

⁹ Defence Industry Companion Study. Ministry of Defence. 2009. <http://www.defence.govt.nz/pdfs/defence-review-2009-released-defence-industry-companion-study.pdf> p4

focuses of the study was “examining the potential to develop New Zealand’s ‘defence industry’ export capability, particular with Australia as well as the international market”.¹⁰

Current government contracts

The government’s annual appropriation for the NZDF is estimated at 3% of the country’s total budget.¹¹ The key sponsors of the annual weapons conferences are among the primary beneficiaries of contracts for NZDF goods and services. The estimated value of major NZ military capability projects either currently underway, or with plans for implementation by 2030 is more than \$15 billion; included in that total are individual capital equipment projects generally having a whole of life cost in excess of \$15 million.¹² The NZDF contracts with PAE, Transfield Services, Fulton Hogan and Spotless Facility Services to provide facility management services; further, Pacific Brand Workwear Group is a key apparel provider.¹³ Numerous other contractors are involved in the provision of services to the NZDF. The value of these service contracts is not publicly available. The Ministry of Defence notes that “Over the past ten to fifteen years, the NZDF has embarked upon a process of increased commercialisation and outsourcing.”¹⁴ The overwhelming majority of the firms named in this section are members of the NZ Defence Industry Association, and several are Weapons Conference sponsors, including Lockheed Martin. The following are major known contracts:¹⁵

Frigate systems upgrade - total cost \$446 million

Lockheed Martin Canada (LMC) was awarded a contract on 29 April 2014 for the design and supply of the Combat Management System for each ANZAC Class Frigate along with the supply and integration of various sensors, missile system and a Combat System Trainer for the Devonport Naval Base in Auckland.¹⁶ The NZDF budget has included an additional \$15 million payment to LMC to take on the role of prime contractor. This payment has been made to avoid the risk of a repeat of “challenges” encountered when NZDF undertook the same role in the Platform Upgrade.¹⁷

Frigate platform upgrade - total cost \$57.6 million

ThyssenKrupp Marine Systems Australia (TKMSA) is upgrading propulsion, stability and HVAC systems on the Te Mana and Te Kaha NZ Navy frigates. There are a number of subcontractors on this project.¹⁸

Individual Weapon replacement - total cost unknown

The Ministry of Defence has selected Lewis Machine & Tool Co Inc of the USA as preferred tenderer to provide up to 8,800 new firearms.

Defence Command and Control System - total cost \$22.8 million

The purchase and implementation of the US Global Command and Control System provides battlefield intelligence and situational awareness. Because it is used by the US military, it may allow greater NZDF integration with US forces in combat situations.

C130 Hercules life extension - total cost \$257 million

This contract for the replacement of specific components, and the design and installation of flight deck communications and navigation improvements was originally awarded to L3 Avionics Group; it is being completed by Safe Air and the Aviation Labour Group.

10 *ibid*, p3

11 <http://www.globalsecurity.org/military/world/nz/budget.htm>

12 Ministry of Defence. Response to OIA #OC003-2016-3981. <https://fyi.org.nz/request/3104/response/9800/attach/html/2/3981%20response%20Valerie%20Morse%20OIA%20industry%20relationship%20staff.pdf.html>

13 NZDF. 2013. Executive overview of the Defence Force. <http://nzdf.mil.nz/downloads/pdf/public-docs/2013/executive-overview-of-the-defence-force.pdf>

14 Defence Industry Companion Study. Ministry of Defence. 2009. <http://www.defence.govt.nz/pdfs/defence-review-2009-released-defence-industry-companion-study.pdf>, p11

15 See <http://defence.govt.nz/acquisitions-tenders/current-acquisition-projects.html> for fuller details of these projects

16 <http://defence.govt.nz/acquisitions-tenders/current-acquisition-projects/anzac-ships-upgrade-fsu.html>

17 New Zealand Trade and Enterprise. OIA 2015-16-14 <https://fyi.org.nz/request/3146/response/9957/attach/html/6/CANSEC%20redacted.pdf.html>

18 <http://defence.govt.nz/acquisitions-tenders/current-acquisition-projects/anzac-platform.html>

Maritime Helicopters - total cost \$242.2 million

This project includes the acquisition of eight SH2G (I) Kamen (USA) Super Seasprite helicopters, associated spares, training aids, a full-motion flight training simulator, missiles, and two additional helicopters for use as attrition airframes and spare parts.

Heavy Operational vehicles - total cost \$135 million

Rheinmetall MAN Military Vehicles (Australia) was contracted in April 2013 for the supply of up to 200 medium/heavy operational vehicles. These have now been delivered to the NZDF.

Network Enabled Army - total cost unknown

This is an information system to work with the Defence Command and Control system. No contract has been signed for this project, but as the Ministry indicates a “foreign military sale” is the most desirable option, it seems likely that this system will be obtained from the United States.

Special Operations Vehicles - total cost unknown

In June 2015, the Government approved this project for the procurement of replacements for the New Zealand Defence Force’s existing Pinzgauer Special Operations Vehicles.

Strategic Bearer Network - total cost unknown

Part of a US Department of Defence project to provide wideband global satellite communications.

Underwater Intelligence, Surveillance and Reconnaissance - total cost unknown

A tender process is currently underway to select a successful bidder for the supply and support of the Underwater Intelligence, Surveillance and Reconnaissance (UWISR) capability project for the P-3K2 Orion aircraft.

NZ Government support for the industry lobby group (e.g. NZDIA):

- The Ministry of Defence sponsors the annual Minister of Defence Awards of Excellence to Industry and the Awards presentation dinner that concludes the Weapons Conference. The award is a trophy that past winners have been able, “to use to good effect in their marketing efforts.”¹⁹
- The Ministry of Defence seconds a staff member to participate in the planning of the annual Weapons Conference.
- The Ministry of Defence releases staff to participate in NZDIA events throughout the year.
- The NZDF provides speakers and equipment displays at the Weapons Conference. In 2013, this was a Medium Heavy Operational Vehicle, in 2014 (and likely 2015), it was small arms simulator equipment.
- The NZDF contributes two staff members to the Weapons Conference planning team; they attend nine meetings during the year.
- New Zealand Trade and Enterprise (NZTE) is conducting a Master Class on “Engaging Effectively with the NZ Defence Force” at the 2015 Weapons Conference. This will involve basic tips on how companies should prepare themselves, build customer relationships, and engage and bid for supply opportunities.²⁰
- NZTE is providing sponsorship to the 2015 Weapons Conference in the form of a morning tea (cost \$3000) on Wednesday, 18 November.
- NZTE has funded trade stalls that include the Defence Industry Association at two overseas maritime conferences Pacific 2015 & Pacific 2013.

¹⁹ <http://defence.govt.nz/acquisitions-tenders/mod-industry-awards.html>

²⁰ Response to OIA. NZ Trade and Enterprise. OIA 2015-16-11 <https://fyi.org.nz/request/3105/response/9666/attach/html/3/Response%20OIA%2011.pdf.html>

Trade-related support for companies

International Maritime Exposition: the Commercial Maritime and Naval Defence Showcase for the Asia Pacific. October, Sydney (biannual), Pacific 2015 Conference

NZTE provided financial assistance to six NZ companies and organisations at a trade stand during the Pacific 2015 expo:

- Naiad
- StabiCraft
- ENL Group
- Gallagher Security
- NZ Defence Industry Association
- NZ Defence Force

The total cost of the trade stand and expo space, which is shared by NZTE and all the exhibitors, was approximately \$50,000.²¹ The NZDF is sending 15 personnel to this conference at a registration cost of \$1000 per person, not including travel, accommodation or expenses.²²

International Maritime Exposition: the Commercial Maritime and Naval Defence Showcase for the Asia Pacific. October, Sydney (biannual), Pacific 2013 Conference

These weapons and military-related companies/organisations featured at the New Zealand Trade & Enterprise Stall:²³

- Air Affairs Limited (trading as AAL Limited)
- Hamilton Jet
- Noske-Kaeser New Zealand Ltd
- NZ Defence Industry Association

CANSEC 2014: "Canada's premier annual defence trade show...over 330 companies exhibiting products and services."

- The NZ delegation met with Lockheed Martin, General Dynamics Canada, Raytheon Canada, Thales Canada, CAE and others.²⁴
- The NZ Delegation was a collaboration of 'NZ Inc.' partners including NZTE, the NZ Ministry of Defence (MoD), the NZ Defence Advisor to Canada based in Washington DC and the Ministry of Foreign Affairs and Trade (High Commission in Ottawa)²⁵
- One NZTE key objective was to promote NZ marine capability and gather intelligence to improve the knowledge and position of NZ firms interested in bidding on Canadian Navy, Coast Guard and other commercial workboat opportunities in the Canadian market.²⁶

Land Forces Australia conference Adelaide, 2014

"One NZTE staff member was present at the Land Forces (Australia) conference 2014 as an attendee. The purpose of their attendance was to promote New Zealand companies and their products, identifying leads and opportunities for New Zealand Industry, and facilitating

21 New Zealand Trade and Enterprise. OIA 2015-16-12 <https://fyi.org.nz/request/3113/response/9667/attach/html/4/Response%20OIA%2012.pdf.html>

22 NZDF OIA 2015-2305. <https://fyi.org.nz/request/3112/response/9725/attach/html/4/OIA%202015%202305%20Morse%20Participation%20in%20Pacific%202015%20Signed.pdf.html>

23 PAC 2013 Exhibitor List. Login required: <http://freepdfs.net/p13-participating-exhibiting-companiesxlsx-pacific-2013/5652f54b4fd1c22f26730e59aba234a4/>

24 New Zealand Trade and Enterprise. OIA 2015-16-14 <https://fyi.org.nz/request/3146/response/9957/attach/html/6/CANSEC%20redacted.pdf.html>

25 Ibid

26 Ibid

introductions to potential partners and multinational buyers.”²⁷

The Security Technology Alliance (STA)

The Security Technology Alliance is a coalition of four NZ companies supported by NZTE that are seeking to secure US surveillance & security contracts some of which are for military purposes. The STA is comprised of Wynyard Group, Tait Communication, Endace (a division of Emulex) and Gallagher Security. Military services are core to Tait and Gallagher,²⁸ while Wynyard is a participant in the upcoming Kingdom Security Conference in Saudi Arabia.²⁹ The STA has received in excess of NZ\$425,000 from NZTE since 2013 to acquire new business.³⁰ NZTE hosted two events for the STA 1. A launch event in Washington DC, November 2013 and 2. A dinner during the 2013 US-NZ Partnership forum in Washington DC. Both events catered for employees of NZTE, MFAT, Customs, and the Security Intelligence Service.

Ministry of Defence Industry Advisory Council, Industry liaison staff and NZDF Defence Attachés

The Defence Industry Advisory Council (DIAC) is a ministerial committee that has existed since 1994. Its primary purpose is to:

“To provide the Minister with advice relating to developments, issues, opportunities and sustainability in the national and international defence industry including providing advice on defence industry investment, export, science & technology, support and sustainment, maintenance and repair, Public Private Partnerships (PPPs), Public Private Initiatives (PPIs) and other innovative mechanisms for delivering capabilities and services”³¹

- NZDIAC membership consists of seven industry members appointed by the Minister of Defence, and representatives from New Zealand Trade and Enterprise, the New Zealand Defence Force and the Ministry of Defence.
- The NZDIA chairperson has a standing seat on the Council.
- The Ministry of Defence provides secretarial support to the Council.
- The NZDIAC also facilitates the annual Minister of Defence Awards of Excellence to Industry and the Awards presentation dinner that concludes the Weapons Conference.
- The award nominations process is managed by two Ministry industry liaison staff: a Defence Industry Business Specialist and a Defence Industry Advisor.

NZDF Defence Attachés (DA)

There are sixteen NZ Defence Attachés or Advisers, and nine Assistants, in overseas posts.³² A Ministry of Defence report notes the “efforts by the DAs to assist companies in the promotion of their products internationally,” and that their positive reputation should be used “more effectively in concert with New Zealand Trade and Enterprise to assist in the promotion and support of the defence sector in a more coordinated and proactive way.”³³

27 New Zealand Trade and Enterprise. OIA 2015-16-17. <https://fyi.org.nz/request/3162/response/10027/attach/html/5/OIA%202015%2016%2017.pdf.html>

28 <http://freepdfs.net/defence-solutionspdf-428-kb-gallagher-security/332716a6c89cab405e74fd651c626d8c/>

29 <https://www.wynyardgroup.com/en/news-events-blog/kingdom-security-2015/>

30 New Zealand Trade and Enterprise. OIA 2015-15-05 <https://fyi.org.nz/request/3055/response/9682/attach/html/5/OIA%202015%2016%2005%20Support%20for%20STA%20response.pdf.html>

31 <http://defence.govt.nz/acquisitions-tenders/nzdiac.html>

32 The Attaches and Advisers are located in Canberra, London, Ottawa, Beijing, Seoul, Singapore, Kuala Lumpur, Manila, Tokyo, Bangkok, Jakarta, Port Moresby, Suva and Washington DC, and a Military Adviser is located in the New Zealand Permanent Mission to the United Nations in New York. All the Defence Attachés and Advisers are housed within New Zealand Embassies or High Commissions. <http://www.parliament.nz/resource/0000072279>

33 Defence Industry Companion Study. Ministry of Defence. 2009. <http://www.defence.govt.nz/pdfs/defence-review-2009-released-defence-industry-companion-study.pdf>

Research & Development (R&D) funding

Callaghan Innovation is the NZ government research and development funding body. It is a member of the NZ Defence Industry Association. In order to qualify for Callaghan funding, a company only needs to have one director who is a New Zealand resident, and to be incorporated in New Zealand (e.g. a NZ subsidiary of a multinational corporation qualifies for funding).

Cubic Defence

Over the years Cubic Defence has received hundreds of thousands of dollars of public money. For 2015-16 Cubic Defence has been awarded 9 R&D Student Experience grants of \$6,400 each by Callaghan Innovation.³⁴ In the period 2012-2015, Cubic Defence received \$159,620 in funding from Ministry of Business, Innovation and Employment for student internship grants.³⁵ In 2014, Cubic Defence was awarded an R&D Growth Grant from Callaghan Innovation. This fund provides 20% public co-funding on a minimum investment of \$300,000 (i.e. a minimum grant of \$60,000) and provides public funds up to \$5 million.³⁶ Cubic Defence NZ is a wholly owned subsidiary of US-based Cubic Defence, a corporation specialising in military communications systems and training that hold contracts with the Israeli Defence force and the US military.

Electronic Navigation Limited (ENL)

Callaghan Innovation is conducting advanced sonar technology work with Electronic Navigation Ltd (ENL). The research team has been collaborating with ENL for over ten years, leading to commercial success for ENL's WASSP multibeam sonar product, now exported to 39 countries. In 2010 Callaghan entered a five-year co-funding agreement to develop the next generation of sonar technologies.³⁷ ENL is a member of the NZ Defence Industry Association.

Tait Electronics

In the period 2008-2015, Tait Electronics was awarded \$11 million in government grants, through the Ministry of Business, Innovation and Employment and its successor Callaghan Innovation. This does not include an undisclosed sum awarded as a 2013 R&D Growth Grant from Callaghan Innovation. This fund provides 20% public co-funding on a minimum investment of \$300,000 (i.e. a minimum grant of \$60,000) and provides public funds up to \$5 million. Tait is involved in the supply of radio and radar communications equipment to the UK and Australian militaries. Tait is a member of the Security Technology Alliance (STA), a coalition of four NZ companies seeking business in the US security sector that was granted \$425,000 from NZTE for marketing.

Electropar

Electropar was awarded capability and project grants from Ministry of Business, Innovation and Employment for the period 2010-2014 totalling \$447,843.00.³⁸ Electropar was also awarded an R&D Growth Grant from Callaghan Innovation. This fund provides 20% public co-funding on a minimum investment of \$300,000 (i.e. a minimum grant of \$60,000) and provides public funds up to \$5 million.³⁹ Electropar PLP is a leading provider of electrical engineering solutions for the Australian military.

Security Technology Alliance (STA) members

All four members of the STA (Wynyard [1], Tait [11], Endace [4] and Gallagher [3]) received R&D Student Experience Grants of \$6,400 each by Callaghan Innovation.⁴⁰

34 <https://www.callaghaninnovation.govt.nz/sites/all/files/rd-experience-2015-16-companies.pdf>

35 <http://www.mbie.govt.nz/info-services/science-innovation/investment-funding/who-got-funded>

36 Callaghan Innovation. *R&D Growth Grants for 22 more high-tech companies*. 2 October 2014. <https://www.callaghaninnovation.govt.nz/news-and-events/rd-growth-grants-22-more-high-tech-companies>

37 Callaghan Innovation. *Annual Report to 30 June 2013*. https://www.callaghaninnovation.govt.nz/sites/all/files/callaghan-innovation-annual-report-2013_0.pdf

38 <http://www.mbie.govt.nz/info-services/science-innovation/investment-funding/who-got-funded>

39 Callaghan Innovation. *R&D Growth Grants for 22 more high-tech companies*. 2 October 2014. <https://www.callaghaninnovation.govt.nz/news-and-events/rd-growth-grants-22-more-high-tech-companies>

40 <https://www.callaghaninnovation.govt.nz/sites/all/files/rd-experience-2015-16-companies.pdf>

Defence Technology Agency (DTA)

The DTA is a business unit of the NZDF; it conducts publicly funded research and development of military technology and then allows that research to be purchased, i.e. “commercialised” by private interests and sold to overseas militaries for the purposes of making a profit, i.e. “providing a return on investment for the NZDF and the taxpayer.”

The Diver Signature Evaluation System, a tool for training divers to access sea floor mines safely, has been commercialised by Air Affairs Ltd who have sold it to the US Navy.

The DTA was the key developer of the drone technology in use by the military.

The DTA is part of the Technical Cooperation Program (TTCP) along with the US, UK, Canada and Australia and works in collaboration with their overseas counterparts to develop technical defence solutions, i.e. new ways of waging war. In the US, the lead TTCP agency is the Department of Defence’s Research and Engineering Enterprise.

NZ Super Fund

The Super Fund is a multibillion-dollar fund of NZ taxpayer money that is invested in the global market. In September 2015, its value was NZD\$28.1 billion. It is intended that the fund generates a rate of return to adequately meet the need to cover pension payments to all eligible people over aged 65.

While the Super Fund aligns its investments with the UN principles for responsible investment and states in its mandate that it avoids “prejudice to New Zealand’s reputation as a responsible member of the world community,”⁴¹ it is nevertheless an active supporter of the international arms trade.

It has holdings worth NZ\$136 million in 43 overseas companies that are described as being part of the “Aerospace and Defence” category. Of these 43 companies, 23 are on the SIPRI list of the top 100 arms-producing and military services companies, seven are in the top 10, and include the second, third and fourth largest arms companies in the world (Boeing, BAE and Raytheon, respectively).⁴² A complete listing of the 2015 NZ Super Fund holdings in this category appears on the next page.

Arms-related investments by the NZ Super Fund, moreover, extend further than this list. Some Super Fund investments have been heavily criticised as contributing to war crimes. For instance, the Fund invests in Israel Chemicals Limited, a company that allegedly supplies white phosphorous used in munitions production,⁴³ However the categorisation of the company means it does not appear on the list. Similarly, Rakon, an Auckland company that supplies crystal oscillators for guided missiles, receives NZ Super Fund investment, but does not appear on the list. While many companies are not primarily in the business of supplying militaries, their products and services are increasingly tailored for potential military use.

41 NZ Super Fund. *Purpose and Mandate*. <https://www.nzsuperfund.co.nz/nz-super-fund-explained/purpose-and-mandate>

42 Stockholm International Peace Research Institute. *The SIPRI Top 100 Arms Producing companies 2013*. <http://www.sipri.org/research/armaments/production/recent-trends-in-arms-industry/The%20SIPRI%20Top%20100%202013.pdf>

43 Tim Hunter and Steve Kilgallon. “NZ Super Fund has deadly portfolio.” *Stuff* 3 August <http://www.stuff.co.nz/business/money/10341818/NZ-Super-Fund-has-deadly-portfolio>

New Zealand Superannuation Fund listing as at 30 June 2015

Company Name	Superfund Investment (\$NZD)	Ranking on list of Top 100 arms companies
AAR Corp	108,419	92
Aerojet Rocketdyne Holdings Inc	115,804	
Aerovironment Inc	57,778	
Airbus Group SE	11,189,103	7
American Science & Engineering Inc	32,375	
Astronics Corp	125,784	
B/E Aerospace Inc	2,542,430	
BAE Systems PLC	7,676,767	3
Boeing Co/The	27,005,382	2
Bombardier Inc	1,463,520	
CAE Inc	1,702,551	96
Cobham PLC	2,585,875	55
Cubic Corp	77,405	90
Curtiss-Wright Corp	246,392	
DigitalGlobe Inc	176,405	
Embraer SA	2,162,956	62
Engility Holdings Inc	59,524	
Esterline Technologies Corp	253,778	
Finmeccanica SpA	2,332,827	9
HEICO Corp	118,617	
Hexcel Corp	389,644	
KEYW Holding Corp/The	34,452	
KLX Inc	163,167	
Korea Aerospace Industries Ltd	1,259,874	60
L-3 Communications Holdings Inc	4,031,252	11
Meggitt PLC	3,205,502	76
Moog Inc	219,502	88
MTU Aero Engines AG	364,120	
Precision Castparts Corp	8,524,131	69
QinetiQ Group PLC	161,295	63
Raytheon Co	9,112,807	4
Rockwell Collins Inc	4,781,362	41
Saab AB	124,424	31
Safran SA	5,735,255	16
Spirit AeroSystems Holdings Inc	627,454	
TASER International Inc	182,128	
Teledyne Technologies Inc	265,218	
Thales SA	2,356,161	10
TransDigm Group Inc	5,049,116	
Triumph Group Inc	273,127	70
Ultra Electronics Holdings PLC	153,442	98
United Technologies Corp	27,231,259	8
Zodiac Aerospace	2,332,555	
TOTAL HOLDINGS	136,610,939	

7. Overseas buyers of NZ defence industry goods and services

At the time of writing, Peace Action Wellington was still awaiting a response from MFAT about successful, commercial applications for exports under the *Strategic Goods List*. This list will provide a fuller picture of the products and services that were purchased by particular militaries.

Peace Action Wellington has identified that these New Zealand-based manufactured goods and services have been exported to the militaries of the following countries:

- Kuwait, Oman, Bahrain, Saudi Arabia, the United Arab Emirates and Qatar have purchased handheld artillery & mortar fire control computers manufactured by MAS Zengrange.⁴⁴
- Egypt, Lebanon, Tunisia and the US militaries have all purchased HamiltonJet engines.⁴⁵
- Australian and UK militaries have purchased radio equipment from Tait Communications.
- Safe Air provides services to the militaries of Chile, Thailand and Australia, as well as to weapons companies Boeing, Kaman and L3.⁴⁶
- Gallagher Security provided perimeter fencing for an unidentified US government facility in Virginia. When asked about it, a company spokesperson said, “the boys call it the hunt camp, but we better leave it at that because some people get very sensitive when we talk about it.”⁴⁷
- Tactical Solutions provides security equipment to “many customers in Australia and the Pacific Islands.”⁴⁸
- Rakon supplies crystal oscillators for use in the Joint Direct Attack Munition (JDAM) missile guidance system by the following countries: Australia, Belgium, Canada, Chile, Denmark, Egypt, Finland, Germany, Greece, Indonesia, Israel, Italy, Japan, Malaysia, Morocco, Netherlands, Norway, Oman, Philippines, Poland, Portugal, Saudi Arabia, Singapore, South Korea, Spain, Thailand, Turkey, United Arab Emirates, and the US.⁴⁹
- Radiola Aerospace has a contract with to inspect equipment at 30 Indian military airfields.⁵⁰
- Cubic Defence New Zealand provides “simulation solutions and instrumented ground combat training systems for military and law enforcement agencies around the world.”⁵¹ It recorded an NZD\$18 million net profit for 2012, the last year it filed a financial statement with the NZ Companies office.⁵²
- Ordnance Developments Limited has “worked closely with the Defence Forces of leading countries and also smaller more expeditionary Forces.”⁵³

Multinational members of the NZDIA have exported or otherwise provided weapons and military-related services to nearly every country in the world.

44 <http://www.maszengrange.com/pages/posts/masz-artillery-mortar-fire-control-computers-now-in-service-with-all-gcc-countries-26.php>

45 <http://www.hamiltonjet.com/global/type/patrol-military>

46 http://www.safeair.co.nz/customers_and_projects.php

47 http://www.nzherald.co.nz/business/news/article.cfm?c_id=3&objectid=10803467 There are a large number of US military & intelligence facilities in Virginia including CIA facilities a Langley, Quantico and Camp Peary.

48 <http://www.tactical.co.nz/about-us/>

49 https://en.wikipedia.org/wiki/Joint_Direct_Attack_Munition#Current_operators

50 <http://www.radaero.com/media-release/radiola-aerospace-lands-plum-indian-contract/>

51 <http://www.cubic.com/News/Press-Releases/ID/268/Cubic-Defence-New-Zealand-Names-New-General-Manager>

52 Cubic's statements are available via the Companies office register online at www.companies.govt.nz

53 http://www.ordnance.co.nz/military_training.html

8. Size of the New Zealand weapons & military-related export industry

The economic worth of New Zealand's trade in government services was assessed at \$210 million for the 2014 year, up from \$202 million in 2013.⁵⁴ This includes defence and diplomatic transactions where at least one party to the transaction is either the New Zealand or a foreign government. Unfortunately, this category is so broad that it makes it impossible to accurately estimate the economic worth of the weapons and military-related export industry. It also includes estimates of sales of overseas capital assets excluding land, estimated expenditure of foreign embassies in New Zealand, the portion of the New Zealand government's international aid spent in New Zealand, and the government's receipts from immigration fees.⁵⁵

The Ministry of Foreign Affairs and Trade (MFAT) is responsible for administering the Customs Export Prohibition Order 2014 which requires an approved application for any exports of weapons and certain dual-use technology. These items are all listed under the *Strategic Goods List*.⁵⁶ At the time of writing, Peace Action Wellington was still awaiting a response from MFAT about successful commercial applications for exports under the *List*. The *List* is not comprehensive insofar as it does not include the provision of non-military services to militaries. As a result, it is presently difficult to estimate the total size and revenue of the NZ weapons & military-related export industry. This is exacerbated by:

- many companies being involved in the provision of both military and civilian products and services
- many of the companies being subsidiaries of global multinationals and the portion of their revenue from the NZ industry is not identifiable
- many companies being privately owned, in which case business reporting requirements are minimal.

9. Profiles of company activities:

This is a preliminary listing of weapons and military-related companies. It includes all members of the NZ Defence Industry Association. It also details companies that are not members, but that have contracts or other known links to the industry. Companies have been grouped according to the definition of weapons and military-related industry (Section 5). For companies that produce goods or services in more than one category, they have been placed in the category which forms their primary work or which otherwise seems most appropriate. Due to time limitations, additional companies with an association to the industry have been included in an appendix. The majority of these companies are derived from the *Australia-New Zealand Defence Directory*. Further work will be needed to determine the nature and extent of these companies' weapons and military-related work.

Companies that are producing or supplying weapons or components for weapons systems or their guidance and control systems

Babcock NZ

Babcock (NZ) has a partnering relationship with the NZ Navy to manage the Devonport Dockyard and to maintain the NZ Navy fleet. In May 2012, Babcock International was awarded a £15m contract by the UK Ministry of Defence to support the design of the UK's

54 <http://www.stats.govt.nz/~media/Statistics/browse-categories/economic-indicators/balance-of-payments/international-accounts/InternationaltradeservicesyeMar14.xlsx>

55 http://www.stats.govt.nz/browse_for_stats/industry_sectors/imports_and_exports/nzs-international-trade-in-services.aspx

56 Ministry of Foreign Affairs and Trade. *Export Controls*. <http://mfat.govt.nz/Trade-and-Economic-Relations/3-Export-controls/1-NZ-Strategic-Goods-List/index.php>

next generation nuclear-armed submarines.⁵⁷ Babcock manages Britain's nuclear submarine bases in Scotland, such as the Trident submarine base in Faslane. It also has contracts for weapons handling and launching of various nuclear vessels from other countries, for example South Korea. It is a member of the New Zealand Defence Industry Association and a sponsor of the annual Weapons Conference.

Beretta NZ

Beretta NZ is subsidiary of Beretta Australia, part of Beretta, a privately owned Italian firearms manufacturing company, Fabbrica d'Armi Pietro Beretta S.p.A. Beretta USA has delivered over 600,000 M9 pistols to the US Armed Forces since 1985, and continues to supply M9 parts and additional pistols to the U.S. military.⁵⁸ The company makes assault rifles, machine guns, carbines, shotguns, pistols, grenade launchers, and complete weapons systems that combine a machine gun, grenade launcher and bayonet.⁵⁹ The head of Beretta Australia, Luca Scribani Rossi, warned Australian regulators in 2014 against introducing stricter measures on gun ownership saying it would negatively affect business.⁶⁰ It is a member of the New Zealand Defence Industry Association.

CPE Systems

CPE is an Australian company with a NZ subsidiary. In conjunction with SAAB Systems it developed and manufactured Early Warning Interface Units (EWIU) for use on rocket launchers.⁶¹ It conducts a wide range of military work including manufacturing, engineering, training and testing. It is a member of the New Zealand Defence Industry Association.

General Dynamics Land Systems

General Dynamics is a major US weapons corporation. It manufactures the M1A1 Abrams tank along with armoured personnel carriers and light armoured vehicles. In New Zealand, the Army operates a fleet of 105 General Dynamic's LAV III 8X8 Light Armoured Vehicles.⁶² It equips these vehicles with a range of weapons systems including thermal sighted missiles. It is the world's sixth largest arms manufacturer.⁶³ It is a sponsor of the Weapons Conference.

Lockheed Martin

Lockheed Martin is the world's largest weapons manufacturer with annual profits of USD\$2.9billion.⁶⁴ In New Zealand, Lockheed Martin employs over 200 people.⁶⁵ It describes itself as a "global security and aerospace company... principally engaged in the research, design, development, manufacture, integration, and sustainment of advanced technology systems, products, and services." It specialises in military aircraft, missiles and munitions and operates nuclear weapons systems in the US and the UK. Lockheed Martin makes Trident D-5 nuclear missiles. It is a member of the New Zealand Defence Industry Association and the principal sponsor of the annual Weapons Conference.

MAS Zengrange (NZ) Ltd

MAS Zengrange specialises in the design, development and manufacture of artillery, rocket and mortar fire control and remote initiation systems. In December 2014, the company announced that its handheld artillery & mortar fire control computers had been purchased by all Gulf Co-Operation Council Countries (Kuwait, Oman, Bahrain, Saudi Arabia, the UAE and Qatar).⁶⁶ Company revenue in the year ending 2014 was NZD\$8.7 million, with profits of

57 "Trident contracts worth £350m unveiled by MoD" *BBC*. 22 May 2012. <http://www.bbc.com/news/uk-18155835>

58 "U.S. Army Acquires Additional Beretta M9 9mm Pistols". *Shooting Illustrated* (NRA). 29 July 2014.

59 Beretta Military and Law Enforcement Catalogue. <http://www.berettadefensetechnologies.com/files/beretta.pdf>

60 "Gun reform would impact firearms industry, manufacturers warn." *The Guardian*. 14 October 2014. <http://www.theguardian.com/australia-news/2014/oct/14/gun-reform-impact-firearms-industry-manufacturers-warn>

61 <http://www.cpesys.com.au/portfolio/defence/>

62 http://www.austandnzdefence.com/listings/listing_details/general-dynamics-land-systems

63 The SIPRI Top 100 Arms Producing companies 2013. <http://www.sipri.org/research/armaments/production/recent-trends-in-arms-industry/The%20SIPRI%20Top%20100%202013.pdf>

64 Ibid

65 <http://www.lockheedmartin.com/us/who-we-are/global/new-zealand.html>

66 *MASZ Artillery & Mortar Fire Control computers now in-service with all GCC Countries*. <http://www.maszengrange.com/pages/posts/masz-artillery-mortar-fire-control-computers-now-in-service-with-all-gcc-countries-26.php>

NZD\$2.7 million. The parent company of MAS Zengrange (NZ) Ltd is MAS Zengrange (UK) Ltd and the ultimate parent of the group is Hall & Watts Holding Limited, a British weapons and military-related products company.⁶⁷ It is a member of the New Zealand Defence Industry Association.

Metco Engineering Limited

Metco is a privately owned NZ company that produced adapter brackets for the NZDF to enable the C2A1 sight to be used on the 105mm Light Guns. It has been providing an array of engineering solutions to the NZDF over several years.⁶⁸

New Zealand Ammunition Company

NZ Ammo is a privately owned wholesale distribution company, specialising in the supply of pistols, shotguns, rifles and silencers.⁶⁹ It is a member of the New Zealand Defence Industry Association.

Northrup Grumman Australia

Northrup Grumman is the fifth largest weapons manufacturer in the world with a 2013 total profit of USD\$1.9 billion.⁷⁰ The Australian subsidiary company will be giving a Master Class at the 2015 Weapons Conference entitled “Through, By and With: A collaborative approach to enhancing New Zealand’s Defence Industry.”⁷¹ Current Northrup programs include support for a range of major Australian Defence Force capability systems including the P-3C Orion, the Boeing Business Jet 737-700 IGW, the Challenger CL-604 special purpose aircraft, the Sikorsky S-70A-9 Black Hawk helicopter, BAE Hawk 127 Lead in Fighter, the Pilatus PC-9/A training aircraft, and the Airbus Military KC-30A Multi Role Tanker Transport (MRTT). Northrup’s Integrated Defence Service also supports international military aircraft including the Indonesian Air Force C-130H Hercules air transport aircraft.⁷² It is a member of the New Zealand Defence Industry Association.

Point Trading Group

Point Trading Group is an Australian company that produces items for military use including night vision goggles and laser weapons sights.⁷³ It is a sponsor of the Weapons Conference.

Rakon

Rakon Limited is a technology company that designs and manufactures frequency control products, primarily quartz crystals and temperature-compensated crystal oscillators, oven controlled crystal oscillators and voltage controlled crystal oscillators. Its head office is in Auckland. Rakon is best known⁷⁴ for supplying crystal oscillators for the Joint Direct Action Munition (JDAM), known as the “Warfighter’s Weapon of Choice,” a low-cost guidance kit produced by the Boeing Corporation that converts existing unguided bombs into guided weapons.⁷⁵

Rheinmetall MAN Military Vehicles Limited

Rheinmetall Vehicles is a subsidiary of German weapons giant Rheinmetall, which was ranked as the 32nd largest weapons manufacturer globally in 2013.⁷⁶ Rheinmetall offers an extensive array of large- and medium-calibre weapons and ammunition. In the ammunition sector, the spectrum ranges from electronically programmable medium calibre rounds

67 MAS Zengrange. *2014 Financial Report*. From NZ Companies Office register. www.companies.govt.nz

68 <http://defence.govt.nz/acquisitions-tenders/nz-def-ind-awards/nzdia-2014.html>

69 <http://www.nzammo.co.nz/>

70 The SIPRI Top 100 Arms Producing companies 2013. <http://www.sipri.org/research/armaments/production/recent-trends-in-arms-industry/The%20SIPRI%20Top%20100%202013.pdf>

71 http://www.nzdia.co.nz/uploads/2/2/7/8/22785228/defence_registration_2015-3.pdf

72 http://www.northropgrumman.com/AboutUs/OurGlobalPresence/AsiaPacific/Australia/Pages/default.aspx?utm_source=PrintAd&utm_medium=Redirect&utm_campaign=Australia_Redirect

73 <http://www.pointtrading.com/>

74 Phil Taylor. 27 May 2006. “The Rakon Files.” *New Zealand Herald*. http://www.nzherald.co.nz/business/news/article.cfm?c_id=3&objectid=10383752

75 Joint Direct Action Munition. Boeing Corporation. http://www.boeing.com/assets/pdf/defense-space/missiles/jdam/docs/jdam_overview.pdf

76 The SIPRI Top 100 Arms Producing companies 2013. <http://www.sipri.org/research/armaments/production/recent-trends-in-arms-industry/The%20SIPRI%20Top%20100%202013.pdf>

to special search fuse ammunition for artillery. In addition, Rheinmetall specialises in propellants, including propelling charges for artillery and mortar rounds, propelling powders, and combustible cast parts. The main armament of the Leopard 2 tank is the PzH 2000 self-propelled howitzer system, made by Rheinmetall.⁷⁷ It is a member of the New Zealand Defence Industry Association.

SAAB SDS New Zealand Limited

Despite its having a reputation as a car maker, SAAB is primarily a weapons manufacturer: 81% of its sales are weapons.⁷⁸ It manufactures everything from submarines to fighter jets to missile firing systems to shoulder-mounted anti-tank weapons.⁷⁹ Saab supplies the Indonesian military with missile launchers, and has recently entered into an agreement with the Indonesian government to develop its own weapons industry.⁸⁰ Saab has just launched their newly developed Ground Launched Small Diameter Bomb (GLSDB), creating a whole new class of weapons.⁸¹ It is a member of the New Zealand Defence Industry Association.

SAGEM

Sagem is one part of the French weapons giant Safran, with annual profits of USD\$1.5 billion.⁸² It manufactures a surface-to-air missile called the “Hammer” that it describes as a “smart missile” that is able to carry up to 1000kg bombs, with a range greater than 50km and able to work “low altitudes, [and] cross hilly terrain.”⁸³ Sagem is a supplier to the US, French and other NATO countries. It is a member of the New Zealand Defence Industry Association.

Tactical Solutions

New Zealand owned and operated, Tactical Solutions is a leading provider to all of New Zealand’s Governmental Law Enforcement departments. It sells weapons sights, lights and lasers, as well as training ammunition.⁸⁴ It is a member of the New Zealand Defence Industry Association.

Thales New Zealand

Thales made it into the world’s top 10 leading weapons producers in 2013 with profits of USD\$761 million.⁸⁵ Thales is partially owned by the French state, and produces everything from aircraft carriers to surface-to-air missiles to drones. Thales is one of NZ’s largest defence partners. It has also been implicated in a series of bribery scandals in South Africa,⁸⁶ Cambodia⁸⁷ and Taiwan, where it was ordered to pay a fine of USD\$920 million for bribes relating to the sale of frigates⁸⁸ resulting in France’s largest corruption case ever. Its NZ subsidiary is a member of the New Zealand Defence Industry Association and a sponsor of the annual Weapons Conference.

77 http://www.rheinmetall-defence.com/en/rheinmetall_defence/systems_and_products/weapons_and_ammunition/index.php

78 The SIPRI Top 100 Arms Producing companies 2013. <http://www.sipri.org/research/armaments/production/recent-trends-in-arms-industry/The%20SIPRI%20Top%20100%202013.pdf>

79 <http://saab.com/region/saab-australia/>

80 “Saab strikes technology cooperation with BPPT, ITB” *Jakarta Post*. 29 August 2015. <http://www.thejakartapost.com/news/2015/08/29/saab-strikes-technology-cooperation-with-bppt-itb.html#sthash.ZzEiWYea.dpuf>

81 “Saab’s Ground Launched Small diameter bomb lands at DSEI 2015.” *Defence Web*. http://www.defenceweb.co.za/index.php?option=com_content&view=article&id=40592&Itemid=105&catid

82 The SIPRI Top 100 Arms Producing companies 2013. <http://www.sipri.org/research/armaments/production/recent-trends-in-arms-industry/The%20SIPRI%20Top%20100%202013.pdf>

83 <http://www.sagem.com/aerospace/weapons-and-missiles/aasm>

84 <http://www.tactical.co.nz/>

85 The SIPRI Top 100 Arms Producing companies 2013. <http://www.sipri.org/research/armaments/production/recent-trends-in-arms-industry/The%20SIPRI%20Top%20100%202013.pdf>

86 “Thales firms in Zuma indictment.” *BBC*. 4 November 2005. <http://news.bbc.co.uk/2/hi/business/4408020.stm>

87 “Cambodia: World Bank Sanctions Thales Engineering and Consulting S.A. and Others in Demobilization Project.” 22 Nov 2004. *World Bank*. <http://web.worldbank.org/WBSITE/EXTERNAL/NEWS/0,,contentMDK:20284953~menuPK:34463~pagePK:64003015~piPK:64003012~theSitePK:4607,00.html>

88 “France, Thales to pay record bribes fine” *Reuters*. 10 June 2011. <http://in.reuters.com/article/2011/06/09/idINIndia-57610220110609>

Communications equipment, or components for such systems, used by armed forces

Cubic Defence

Cubic Defence is a US-based corporation, with an Auckland, NZ-based subsidiary, specialising in both military communications systems and training. Cubic's communication products provide Intelligence, Surveillance and Reconnaissance (ISR) and Command & Control capabilities for land, air and maritime operations. It provides services to "U.S. and allied forces in more than 35 nations." In 2013, Cubic was awarded a \$19 million contract by the Israeli Defence Force.

In 2005, Cubic (then known as Osmar) was the subject of a "Customs Official inquiry instigated after leaked documents claimed that the company had exported the intellectual property to make laser detection harnesses, in breach of laws controlling the movement of military goods and technology. That followed a failed bid by Cubic to export the military-style equipment to Israeli's Ministry of Defence, which was rejected on the grounds it could contribute to regional conflict, although NZ officials had previously cleared 30 other such contracts. The most recent company accounts filed for the year ending September 2011 showed revenue of just under NZD \$74 million and NZD \$18 million in net profit."⁸⁹

Cubic has ongoing NZ government funding through the Callaghan Innovation Fund. It is a member of the New Zealand Defence Industry Association.

Daronmont Technologies Limited

Daronmont is a wholly Australian owned military-related company specialising in design, engineering, integration and support of complex high technology electronics and software-intensive systems.⁹⁰ In 2013-2014, it developed a replacement communication detection system for the Royal New Zealand Navy's Protector Fleet.

Defcon Technologies

Defcon is an Australian company that specialises in a range of communications, GPS systems, lighting and training for soldiers.⁹¹ It is incorrectly identified as "Defecon [sic] Technologies" on the NZDIA website. It is a member of the New Zealand Defence Industry Association.

EPE New Zealand

EPE New Zealand is a subsidiary of EPE, an Australian-based company. It produces a wide range of military gear including transmitting optical scopes for mounting on personal weapons, command and control information systems, weapons-mounted camera systems, and armoured vehicles.⁹² It is a member of the New Zealand Defence Industry Association.

Ignition Networks Limited

Ignition Networks is a NZ company that advertises its expertise in the "secure communication requirements of Government agencies" and sells secure, portable communications systems for use by militaries. It has developed the Hawk Compute Heavy Mobile Command Post, and the Falcon Secure Deployable Communications Case.⁹³ It is a member of the New Zealand Defence Industry Association.

Tait Communications

Tait is a NZ-based company that exports around 95% of its products from its Christchurch base. In 2014, it won a contract provide radio equipment and services to be used by the UK Royal Air Force. The Australian Department of Defence is using advanced Tait radio communications technology in 24 training areas across the country.

89 "Cubic Defence NZ targetting corporate customers." *NZ Herald*. 13 April 2015. http://www.nzherald.co.nz/business/news/article.cfm?c_id=3&objectid=11431769

90 <http://www.daronmont.com.au/dartweb/index.php/about-us/our-company>

91 <http://www.defcon.com.au/>

92 <http://epequip.com/>

93 <http://ignition.net.nz/about-us/>

Tait is a supplier to the Defence Materiel Organisation (DMO) (a department of the Australian Department of Defence (DoD)) that contracted BAE Systems Australia to run and maintain the DoD Alice Springs Jindalee Operational Radar Network Radar 3.⁹⁴ BAE is the third largest weapons manufacturer in the world.⁹⁵ Tait has received NZ government support in the form of MBIE & Callaghan Fund Grants and NZTE funding through its membership in the Security Technology Alliance.

ViaSat

ViaSat is an Australian military contractor that produces military satellite communications systems, and provides high security data networks, tactical communications links, network-centric warfare and cybersecurity services.⁹⁶ It has been a member of the New Zealand Defence Industry Association, but its current membership status is unclear.

Wright Satellite Connections Ltd

Wright is a NZ company that sells military satellite communications systems. Its website says it provides, “leading edge mobile satellite communication solutions to defence, maritime, civil defence and other organisations for their use around the world.” It is a member of the New Zealand Defence Industry Association.

Military training equipment, including aircraft used for military training purposes, weapons and combat simulators, bomb scoring systems and remote detonation systems

AgustaWestland

AgustaWestland S.p.A. is an Anglo-Italian multinational helicopter design and manufacturing company, and a wholly owned subsidiary of Finmeccanica. In 2012, AgustaWestland provided a full motion A109LUH (NZ) Flight Training Device to the NZDF.⁹⁷

Beca

“In 1918 Beca was established in New Zealand with only three employees. Today, Beca has a substantial Asia Pacific footprint approaching 3,000 employees in 19 offices around the world.”⁹⁸ Beca develops infrastructure and facilities for Navy, Army and Air Force and software and systems for specialist military equipment. Beca was engaged by the Royal New Zealand Navy to deliver a computer-based operational trainer for the recently upgraded Close-In Weapons System (CIWS) on board the Navy’s frigates. Beca has offices across Asia including in Myanmar and Indonesia. It is a member of the New Zealand Defence Industry Association and a sponsor of the annual Weapons Conference.

Beechcraft

Beechcraft is owned by Textron Aviation, a US-based aircraft company. NZDF awarded Beechcraft Defense Company a contract in January 2014 for the supply of 11 aircraft, two simulators and a training package at a cost of NZ\$141-167 million. These T-6 training aircraft are the only trainers used in the U.S. Air Force and U.S. Navy’s Joint Primary Aircraft Training System. They are also in use by the Hellenic Air Force of Greece, the NATO Flying Training in Canada program, the Iraqi Air Force, the Israeli Air Force, the Royal Moroccan Air Force, and the Mexican Air Force and Navy.⁹⁹ Beechcraft is a member of the New Zealand Defence Industry Association.

94 <http://www.taitradio.com/clients/case-studies/defence-materiel-organisation-alice-springs-australia>

95 <http://www.sipri.org/research/armaments/production/recent-trends-in-arms-industry/The%20SIPRI%20Top%20100%202013.pdf>

96 <https://www.viasat.com/industries-applications/defense>

97 <http://defence.govt.nz/acquisitions-tenders/nz-def-ind-awards/nzdia-2012.html>

98 <http://www.beca.co.nz/>

99 http://www.beechcraft.com/defense/about_us.aspx

CAE NZ PTY Limited

CAE is a Canadian defence contractor that recently won a \$120 million contract to provide MQ-1 Predator/MQ-9 Reaper drone aircrew training services for the US Air Force; magnetic anomaly detection systems for Japan to be used during anti-submarine warfare missions; and a C-130J simulator for Lockheed Martin.¹⁰⁰ The company does business with a huge range of militaries from Germany to Korea, and some “undisclosed” customers: “CAE has been awarded a contract to provide an undisclosed international customer with a KC-135 boom operator weapon systems trainer (BOWST).”¹⁰¹ Its NZ subsidiary is a member of the New Zealand Defence Industry Association and a sponsor of the annual Weapons Conference.

Marops

Marops is a NZ-based firm involved in both flight training and IT development for the NZ and Australian militaries.¹⁰² It has installed sophisticated survey and reconnaissance software in the Royal New Zealand Air Force P3 aircraft.¹⁰³ It is a member of the New Zealand Defence Industry Association.

Serco

Serco is a multinational services corporation based in the UK that operates public and private transport, traffic control, aviation, military weapons facilities, detention centres, prisons and schools for profit. Serco is one of three partners in the consortium that manages the UK Atomic Weapons Establishment.¹⁰⁴ There is an extensive history of human rights abuses in Serco-run facilities including refugee centres in Australia and prisons in the UK.¹⁰⁵ Its NZ subsidiary is a member of the New Zealand Defence Industry Association.

Loading equipment, vehicles, vessels or parts of these for military use**Air NZ Gas Turbines (ANZGT)¹⁰⁶**

ANZGT supports the Royal New Zealand Navy and Royal Australian Navy. In 2002 ANZGT was the first commercial company outside of the US Navy’s own repair facility to be selected as a preferred contractor for a US Navy LM2500 overhaul, and has since carried out similar work and field service work for several navies around the world.

In 2010 ANZGT was approached by the Royal Australian Navy to upgrade an LM2500 twin shank turbine engine. It is a member of the New Zealand Defence Industry Association.

EHL Limited

EHL is Energy Hydraulics Ltd., a Taranaki, NZ-based engineering company. EHL designed, built and commissioned two large industrial ship gangways on the HMNZS Canterbury. It has developed the Azura Wave Energy device that is currently being tested by the US Navy.¹⁰⁷ It is a member of the New Zealand Defence Industry Association.

Hamilton Waterjet¹⁰⁸

Hamilton Waterjet NZ manufactures marine propulsion systems in use by a range of militaries including the US, Egypt, Tunisia and Lebanon.

Hawker-Pacific

Hawker Pacific is an aircraft company that supplies the Australian Defence Force with a light transport, reconnaissance, surveillance and training capability. It also supplies aircraft to the NZDF. It serves “corporate, government and private customers across the Asia Pacific

100 <http://www.cae.com/CAE-wins-defence-contracts-valued-at-more-than-C120-million/?contextualBUID=103>

101 <http://www.cae.com/CAE-wins-defence-contracts-valued-at-approximately-110-million/>

102 <http://www.marops.net/portfolio/projects>

103 <http://defence.govt.nz/acquisitions-tenders/nz-def-ind-awards/nzdia-2007.html>

104 <https://www.serco.com/markets/defence>

105 “Privatising human rights abuses: will Serco run the show?” *Project SafeCom*. <http://www.safecom.org.au/serco-australia.htm>

106 <http://www.airnewzealandgasturbines.co.nz/default.aspx?o=marineservices>

107 <http://www.ehltd.co.nz/np/portfolio/>

108 <http://www.hamiltonjet.com/global/type/patrol-military>

and the Middle East.”¹⁰⁹ It is a member of the New Zealand Defence Industry Association and a sponsor of the annual Weapons Conference.

McKay Electrical NZ

McKay has worked with BAE building the four inshore patrol vessels and two offshore patrol vessels for the New Zealand Ministry of Defence.¹¹⁰ It was also responsible for the electrical installation of the Integrated Platform Management System and the Heating, Ventilation and Air Conditioning system on board the Frigates. McKay Electrical NZ is a member of the New Zealand Defence Industry Association.

MHD Rockland

MHD Rockland is a US-based aircraft distribution and parts company that holds a contract to sell Lockheed Martin’s F-16 Fighter Jet, P-3 Orion and C130 Hercules aircraft.¹¹¹ Its NZ subsidiary is a member of the New Zealand Defence Industry Association.

Nalco NZ

Nalco is the National Aluminium company that provides marine certified sheet and plate for the amphibious Sealegs crafts.¹¹² It is a member of the New Zealand Defence Industry Association.

New Zealand Ocean Technology Limited

New Zealand Ocean Technology Ltd sells underwater autonomous vehicles. It is the sole NZ distributor of Lockheed Martin’s Sippican’s Sea-Air Systems that include launching devices, probes and the shipboard data acquisition systems that record, process, and interpret the data the probes collect.¹¹³ It is a member of the New Zealand Defence Industry Association.

Northland Spars and Rigging

Northland Spars and Rigging designed and built two identical, highly deployable Mine Counter Measures I Rapid Environmental Assessment Boats (REA Boats) for multiple users within the NZDF.¹¹⁴

Safe Air

Safe Air is a NZ subsidiary of Airbus involved in the design, manufacture and maintenance of aircraft. It has provided work for the militaries of NZ, Australia, Chile and, controversially, Indonesia at the time of the invasion of East Timor.¹¹⁵ It is a member of the New Zealand Defence Industry Association and a sponsor of the annual Weapons Conference.

Sealegs International

Sealegs is an NZ company that produce an amphibious craft that can move from water to ground. The company offers a special military-grade model.¹¹⁶ It is a member of the New Zealand Defence Industry Association.

Tidd Ross Todd

Tidd Ross Todd is a NZ manufacturing and engineering company that designed and built the Heavy Equipment Transport Trailer and integrated it into the NZDF’s Medium-Heavy Operational Vehicle fleet.¹¹⁷ It is a member of the New Zealand Defence Industry Association.

Upland Associates

Upland Associates is a NZ small air charter service. While little information is available about the services it provides to military or other entities, it is a member of the New Zealand Defence Industry Association.

109 <http://www.hawkerpacific.com/about-us>

110 <http://www.mckay.co.nz/project/patrol-vessels/>

111 <http://www.mhdrockland.com/distribution-2-2/>

112 <http://www.nalco.co.nz/news/sealegs-new-77m-cabin-rib>

113 <http://www.sippican.com/contentmgr/showdetails.php/id/316> AND

http://www.nzot.co.nz/New_Zealand_Ocean_Technology_Ltd/Agencies.html

114 <http://defence.govt.nz/acquisitions-tenders/nz-def-ind-awards/nzdia-2013.html>

115 Keith Locke. 1999. “NZ should stop Indonesian Skyhawk repairs,” *Scoop*. <http://www.scoop.co.nz/stories/PA9909/S00464.htm>

116 <http://www.sealegsprofessional.com/ika-11.html>

117 <http://www.defence.govt.nz/acquisitions-tenders/mod-industry-awards.html>

Victory Aerospace and Military Spares

Victory Aerospace & Military Spares is a New Zealand company that sources aircraft parts, and military items.¹¹⁸ Its focus is on aircraft parts. However, it will source parts for any military rotatable item (i.e. an item that can be refurbished). It is a member of the New Zealand Defence Industry Association.

Ammunition, clothing, rations or any other supplies for armed forces**ADA Pty Limited¹¹⁹**

ADA is an Australian Uniform and Apparel Company that supplies Combat, Non-Combat and Protective Apparel (including body armour) for the Australian Defence Force. It is a member of the New Zealand Defence Industry Association.

Dockery Canvas

Dockery Canvas is a NZ company that produces technical textile requirements for the Army. They manufacture a variety of products including body armour, Pinzgaur seat covers, and mobile kitchen covers.¹²⁰

Ordnance Developments Limited NZ

Ordnance Developments Ltd is a NZ company that links all NATO calibres arms ammunition cartridges together as well as manufacturing special purpose ammunition, training ammunition, and anti-material ammunition. They supply a range of ammunition to “several military forces worldwide” including tracer, armour piercing and incendiary bullets and shells.¹²¹ It is a member of the New Zealand Defence Industry Association.

Pacific Brands

Pacific Brands is an Australian company that supplies uniforms to the NZDF. It is a member of the New Zealand Defence Industry Association.

Prepack Limited NZ

Prepack Ltd is a NZ subsidiary of an Australian company produces the “Revive All” combat ration packs that supplies the Australian military.¹²² It also sells the “Survival All” disaster relief food packages.¹²³ It is a member of the New Zealand Defence Industry Association.

RFD New Zealand

RFD manufactures life rafts and lifejackets for military use. It also manufactures the largest range of pilot flight equipment in the world, plus submarine escape suits and single seat life rafts for ejector seats.¹²⁴ Its NZ subsidiary is a member of the New Zealand Defence Industry Association.

All other products and services for military purposes, including IT, management, consultancy, testing, logistics, maintenance and refurbishment of military equipment.**Air Affairs Limited (trading as AAL)¹²⁵**

AAL is a privately owned New Zealand company that provides a range of services and equipment for military purposes. It specialises in defence and aviation equipment and systems together with project management, training and long-term support services. It also provides simulation and Computer Based Training (CBT).

118 <http://www.victoryaerospace.com.au/>

119 <https://www.ada.com.au/our-expertise/>

120 <http://defence.govt.nz/acquisitions-tenders/nz-def-ind-awards/nzdia-2011.html>

121 <http://www.converge.org.nz/pma/nw121004.htm>

122 <http://prepack.co.nz/about/>

123 <http://prepack.co.nz/products/>

124 <http://www.rfd.co.nz/how-we-can-help/armed-forces.aspx>

125 <http://www.aal.net.nz/>

AAL provides target towing services for the New Zealand Defence Force and is the in-country support and service provider for a variety of products including: simulation, navigation and situational awareness systems, military hardware, software, and ranging systems. Its products include the Diver Signature Evaluation System (commercialised research done by the NZ Defence Technology Agency), Towed Targets, Naval Surface Firing Analysis Tool, Bridge Simulator Facility, Remote control weapons stations, Mobile Acoustic Scoring System, Electronic Chart Precise Integrated Navigation System—Military, and Xray inspection systems. It is a member of the New Zealand Defence Industry Association.

AECOM¹²⁶

AECOM, a US corporation with a NZ subsidiary (a major engineering company), acts as an extension of the Pentagon Renovation & Construction Office for the \$5.4 billion restoration of the Pentagon, the US military headquarters. AECOM began working on the Pentagon in 1991. The current contract runs through 2015 when the renovation will be complete. It is a member of the New Zealand Defence Industry Association.

Airwork (NZ) Limited¹²⁷

The Airwork Group is a global aviation provider providing a full turnkey aviation service from heavy maintenance through to operations of aircraft ranging from Boeing 737-300s to light turbine helicopters. Airwork Flight Operations undertakes maritime surveillance for the New Zealand government. It is a member of the New Zealand Defence Industry Association.

ANZ Bank

ANZ is one of the lead banks for the Australian aerospace and defence industry. ANZ Relationship managers have direct government experience in the office of Australia's Defence Minister and the Minister for Industry. ANZ was adviser and Lead Arranger to Lockheed Martin for the Singaporean Government's Basic Wing Course for pilot training.¹²⁸

In 2003 ANZ announced that it was part of the Trade Bank of Iraq, a grouping of international banks led JP Morgan Chase, created by the illegal Occupation Forces. The Iraq Trade Bank was set up to "facilitate international trade as part of Iraq's reconstruction".¹²⁹ The ANZ and Westpac both continue their involvement with the Bank in 2015. The ANZ is a member of the New Zealand Defence Industry Association.

Ardmore Project Services Limited

Ardmore is a Lower Hutt, NZ-based building consultancy service. It is a member of the New Zealand Defence Industry Association.

A.S. Harrison & Company Limited

A.S. Harrison & Company is an Australian chemical supply company. It provides lubricants to the Australian military and "world's defence forces, including the USA, UK and Europe."¹³⁰ It is a member of the New Zealand Defence Industry Association.

Auckland Uniservices Limited

UniServices is the commercialisation company of the University of Auckland. It partners with Defence Technology Agency to commercialise NZDTA technology. It is a member of the New Zealand Defence Industry Association.

Aviation Labour Group

Aviation Labour Group is an Australian aviation employment specialist contracted for the NZ Air Force upgrade of the C130 Hercules aircraft.¹³¹ It is a member of the New Zealand Defence Industry Association.

¹²⁶http://www.aecom.com/What+We+Do/Construction+Services/Market+Sectors/Government/_projectsList/The+Pentagon

¹²⁷ <http://www.flightoperations.co.nz/content/flight-operations/aerial-surveillance.aspx>

¹²⁸ <http://www.anz.com/corporate/banking-business/large-corporates/aerospace-defence/>

¹²⁹ <http://www.converge.org.nz/watchdog/11/12.htm>

¹³⁰ <http://www.asharrison.com.au/defence-forces.html>

¹³¹ <http://defence.govt.nz/acquisitions-tenders/current-acquisition-projects/c130-life-extension.html>

Avis Rent a Car

Avis is a rental car company specialising in partnerships with the NZ Government. It is a member of the New Zealand Defence Industry Association.

Bidvest New Zealand

The Bidvest Group Limited is an international investment holding company based in South Africa with investments across the foodservice, trading and distribution industries. Bidvest supply rations of various food products to RNZN and NZ Army catering facilities, and any HMNZS Ship berthed in any New Zealand port.¹³²

Brunton Engineering NZ

Brunton Engineering undertakes military design and fabrication. It is a member of the New Zealand Defence Industry Association.

Callaghan Innovation

Callaghan is a government agency that carries out research, and awards research and development money to companies. It has provided funding to a number of companies involved in weapons and military-related exports including Cubic Defence and Tait Communications. It has specialists working in similar areas to the Defence Technology Agency and has a Memorandum of Understanding with that agency to work jointly on research and development. It is a member of the New Zealand Defence Industry Association.

Catalyze Limited (NZ)

Catalyze Limited is a UK company with a NZ subsidiary that facilitated the Defence Force Midpoint Rebalancing Review project team to undertake a major review of policy, capability and funding trade-offs. Its other clients include the US Department of Defence, UK Ministry of Defence, Royal Air Force & Royal Navy, weapons companies Thales and BAE, and security contractor Booz, Allen and Hamilton.¹³³

Compass Group NZ Limited (ESS)

ESS Support Services Worldwide (ESS), a subsidiary of the Compass Group Ltd leads the market in providing food services and support services to major companies operating in the oil and gas, mining and construction industries and to the defence sector.¹³⁴ It is a member of the New Zealand Defence Industry Association.

Comworth Technologies

Up until October 2015, Comworth was involved in the distribution of rugged technologies for deployment in difficult terrain. As of 1 October 2015, it exited distribution. It is now part of the larger Comworth Group providing communications and training programmes. It is not clear if it holds or held military contracts. It is a member of the New Zealand Defence Industry Association.

Covertex NZ

Covertex makes rapidly deployable inflatable defence shelters using military-specific materials.¹³⁵ It is a member of the New Zealand Defence Industry Association.

Cuddon NZ

Cuddon is a NZ-based engineering company; it is unclear the specific military services it provides. It is a member of the New Zealand Defence Industry Association.

Datacom Systems (Wellington) Limited

Datacom is a NZ company with offices across Australia and the Asia Pacific. Its Technical Security Services (DTSS) is a provider of penetration testing, application code reviews, security architecture, database security and threat intelligence. Former Australian Government Defence cyber intelligence and information security specialists founded this part of the company.¹³⁶

¹³² <http://defence.govt.nz/acquisitions-tenders/nz-def-ind-awards/nzdia-2012.html>

¹³³ <http://www.catalyzeconsulting.com/index.php/our-clients/>

¹³⁴ <http://compass-group.co.nz/our-brands/ess/>

¹³⁵ <http://www.covertex.co.nz/rapid-deployment/>

¹³⁶ <http://datacom.co.nz/Our-Services/IT-Management/Security-Services/Cyber-Security-Practice.aspx>

Dräger Safety Pty Limited

Dräger Australia and New Zealand is a subsidiary of the German safety company Dräger Safety Pty Limited. It produces a range of Personal Protective Equipment (PPE) and training for law enforcement.¹³⁷ It is a member of the New Zealand Defence Industry Association.

Eagle Technology Group

Eagle Technology Group is a NZ company specialising in the sale of Environmental Systems Research Group (ESRI) Geographic Information Systems. Militaries now rely on geospatial awareness for virtually every aspect of operations from mission command to intelligence, surveillance and reconnaissance (ISR) to training area management and mission support. Eagle Technology Group is a member of the New Zealand Defence Industry Association.

Ebert Construction Limited

Ebert Construction was contracted to construct a \$25 million purpose built, four level battle training facility for the NZDF. It also built new accommodation blocks for the New Zealand Navy at Whangaparaoa and Air Force at Ohakea.¹³⁸

Electropar Preformed Line Products

Electropar PLP is a leading provider of electrical engineering solutions for the Australasian electrical transmission and distribution, defence and industrial sectors. Electropar provides sophisticated electrical control solutions to the specialist marine (navy), petrochemical, industrial and agricultural sectors.

“Our Defence range has continued to develop as we provide solutions for our customer’s needs. From our extensive involvement in the ANZAC ship project, we have continued to work closely with the designers and manufacturers of Defence platforms. We are proud to advise that our most recent success is the ongoing, Air Warfare Destroyer, project for the Royal Australian Navy. With each project, items and services have been added, and our capability developed, resulting in the ability to offer comprehensive electrical solutions.” (23 April 2013)¹³⁹ Electropar has received ongoing NZ government funding through Callaghan Innovation. It is a member of the New Zealand Defence Industry Association.

Energys Australia Pty Limited

Energys produces batteries that are used in drones, propulsion and guidance for torpedoes, and in missile and “smart” weapons, which it notes is “supported by EnerSys products available in our North America, South America, Europe, Middle East and Africa regions.”¹⁴⁰ It is a member of the New Zealand Defence Industry Association.

Electronic Navigation Limited (ENL)

Electronic Navigation Limited is a privately owned NZ company that supplies marine electronic products.¹⁴¹ It has received funding from Callaghan Innovation for the development of advanced sonar. Its WASSP sonar has been sold to some 39 countries. It is a member of the New Zealand Defence Industry Association.

Fletcher Easysteel NZ

Easysteel works across a range of industries providing steel products. It is not clear if it holds or has held military contracts. It is a member of the New Zealand Defence Industry Association.

FujiXerox NZ

FujiXerox NZ is part of a multinational corporation that provides a range of document services to government and business. It is a member of the New Zealand Defence Industry Association.

137 http://www.draeger.com/sites/en_aunz/Pages/Law-Enforcement/Advisor.aspx?navID=3826

138 <http://www.ebert.co.nz/project/nzdf-battle-training-facility/>

139 <http://www.electropar.co.nz/defence-catalogue/>

140 <http://www.energys.com/Components/Wireframes/TwoColumn.aspx?pageid=25769805237>

141 <http://www.enl.co.nz/>

Fulton Hogan NZ

Fulton Hogan undertakes maintenance and construction of airport runways for Defence Force facilities across Australia.¹⁴² It is a member of the New Zealand Defence Industry Association.

GHD Limited

GHD (formerly Gutteridge, Haskins & Davey) is a global engineering, construction and project management company that has had contracts to clean-up nuclear-testing sites in Australia, and was involved in a controversy about its role managing the clean up at the Maralinga site.¹⁴³ It designed a parachute training facility for the Australian Defence Force and designed and developed the Moving Target Range Project for the NZ Army. It is a member of the New Zealand Defence Industry Association.

Geospatial Research Centre NZ

The Geospatial Research Centre is part of the University of Canterbury and has been developing Unmanned Aerial Vehicle (drone) technology since 2006. Geospatial information is now seen as a key area of military intelligence. It is a member of the New Zealand Defence Industry Association.

Global Destination Forwarding Limited

Global Destination Forwarding Ltd is a New Zealand freight forwarding company. It is a member of the New Zealand Defence Industry Association.

Go! Logistics Group

Go! forms part of the defence aviation logistics supply chain for MHD Rockland, a company that services and supports military aircraft around the world.¹⁴⁴ It is a member of the New Zealand Defence Industry Association.

Higgins Contractors Limited

Higgins Contractors Ltd is a New Zealand civil engineering company. Higgins was contracted in the Stage 1 to build the support network of civil works services and roading for the new Airforce Helicopter squadron facilities.¹⁴⁵

Kahanui Ventures Limited

Kahanui Ventures Limited is a new member of the Defence Industry Association. It is operated by William Peet, former civilian Chief Operating Office of the NZDF. It provides management and consulting services. In 2011, it won a NZ Aid contract for the Bamyan Infrastructure Package in Bamyan Afghanistan.¹⁴⁶

Korr Technical Services

Korr is an Australian aviation consultancy with three areas of specialization: aviation contract engineering, aviation consultancy and aviation recruitment services.¹⁴⁷ It is a member of the New Zealand Defence Industry Association.

Loop Technologies NZ

Loop Technologies is a privately owned NZ IT company that undertakes maintenance and repair of technical hardware. It is a member of the New Zealand Defence Industry Association.

LPS

LPS, formerly known as Lexel, provides IT project management for the NZDF. It managed the NZDF data centre relocation programme. It is a member of the New Zealand Defence Industry Association and a sponsor of the annual Weapons Conference.

142 <http://www.fultonhogan.com/defence-force-facilities/>

143 Maralinga: the clean up of a nuclear test site. International physicians for the prevention of nuclear war. <http://www.ippnw.org/pdf/mgs/7-2-parkinson.pdf>

144 <http://www.goairlandsea.com/aviation-logistics.html>

145 <http://www.higgins.co.nz/about-us/our-projects/project-takitini>

146 <http://www.aid.govt.nz/funding-and-contracts/contracting/awarded-contracts/may-june-2011>

147 <http://www.aerospace-technology.com/contractors/aviation/korr/>

Mainfreight Transport and Logistics

Mainfreight is a global transport company that holds a national freight contract with the NZDF. It is a member of the New Zealand Defence Industry Association.

Marine Management Limited NZ

Marine Management Ltd holds a contract with the NZDF to refurbish and maintain Naval vessels. It is a member of the New Zealand Defence Industry Association.

Marinvent Corporation

Marinvent is a privately held Canadian company headquartered near Montreal. It produces tactical display systems for drone aircraft and remote surveillance systems.¹⁴⁸ It provided support to the New Zealand C-130 Life Extension Programme (LEP) included reviewing the Software Life Cycle Processes for the Flight Management System; providing technical support and advice for the Autopilot system; and producing a software linking tool for the Navigation database.¹⁴⁹

McRaes Global NZ

McRaes Global is a NZ company that currently has a contracted in-service support agreement with the Royal New Zealand Navy for the full support of all hydraulic and control systems across the entire fleet.¹⁵⁰ It is a member of the New Zealand Defence Industry Association.

Metrology Group NZ

The Metrology Group sells and provides engineering and calibration services to a wide range of New Zealand industries including those involved in military aerospace. It has provided precision manufactured parts to the RNZAF (Aeromacchi, Skyhawk and Strikemaster projects, and Iroquois maintenance).¹⁵¹ It is a member of the New Zealand Defence Industry Association.

Nova Systems

Nova is an Australian owned company that specialises in testing military equipment. It works for some 16 different branches of the Australian military, including the Munitions and Guided Weapons division.¹⁵² It is a member of the New Zealand Defence Industry Association.

Noske-Kaeser¹⁵³

Noske-Kaeser NZ, a subsidiary of the German parent company, is one of the worldwide leading suppliers of marine equipment. The company provides air-conditioning, ventilation, refrigeration, piping, fire fighting as well as special technology with NBC (nuclear, biological and chemical) protection systems. Noske-Kaeser equipment and components are in service worldwide in naval vessels of several nations, on board destroyers, frigates and corvettes as well as on military transport vessels, fast patrol boats, mine-hunters and submarines. It is a member of the New Zealand Defence Industry Association.

PAE Facilities Management

PAE NZ is a subsidiary of the global PAE Facilities Management company that provides support to military forces undertaking foreign combat. PAE provided logistical support to the US Department of Defence for 2007 massive troop surge in Iraq. It specialises in “environments that lack an existing infrastructure due to remoteness or political conflict.”¹⁵⁴ In 2012, it was awarded a \$200 million contract with the NZDF to manage facilities and provide operational support to the three defence branches in the Northern Region of NZ. It provides services to the US military and the UK Ministry of Defence. It is a member of the New Zealand Defence Industry Association and a sponsor of the annual Weapons Conference.

148 <http://www.marinvent.com/solutions/tactical-display/>

149 <http://defence.govt.nz/acquisitions-tenders/nz-def-ind-awards/nzdia-2011.html>

150 <http://mcragesglobal.com/industries/defence/>

151 <http://www.aviationnz.co.nz/uploads/Final%20metal%20tech%20press%20release%20Aug12.pdf>

152 <http://www.novasystems.com/markets/defence>

153 <http://www.noske-kaeser.com/schiffe-und-yachten/>

154 <http://pae.com/capabilities/expeditionary-logistics>

PSL Fire and Safety NZ

PSL Fire and Safety is a NZ company that specialises in the sale of fire safety equipment. It is a member of the New Zealand Defence Industry Association.

Pyrotech Noise Control

Pyrotech is an Australian company that specialises in insulation for noise reduction. It has recently outfitted Indonesian made Armoured Personnel Carriers with soundproofing, and advertises its products for military purposes.¹⁵⁵ It is a member of the New Zealand Defence Industry Association.

Radiola Aerospace NZ

Radiola is a New Zealand aeronautical company specialising in flight-testing. In 2012, it was awarded a four-year contract to undertake flight inspections of new navigation aids at 30 military airfields throughout India.¹⁵⁶ It is a member of the New Zealand Defence Industry Association.

Randall and Associates Limited NZ

Randall and Associates Ltd is a Palmerston North based mechanical engineering firm. It is a member of the New Zealand Defence Industry Association.

Redfort Freight NZ

Redfort is an Auckland-based freight company specialising in the moving of helicopters. It is a member of the New Zealand Defence Industry Association.

SG Fleet Group Limited

SG Fleet is a global conglomerate that has been contracted as the fleet manager of the NZDF automobiles for the New Zealand Defence Force. It is a member of the New Zealand Defence Industry Association.

Spotless Services NZ Limited

Spotless holds contracts for more than 30 Defence bases and sites across Australia and NZ. It works with the Australian Defence Force on contracts such as the Base Services contract in Queensland Australian and the Joint Operational Command Headquarters (HQJOC) Public Private Partnership contract. It is a member of the New Zealand Defence Industry Association.¹⁵⁷

Strategic Sourcing Consulting NZ

Strategic Sourcing is a project management company that works for militaries and on defence projects. It worked with the NZDF to create commercialisation strategies to sell publicly funded intellectual property to the private sector.¹⁵⁸ It is a member of the New Zealand Defence Industry Association.

Toll Holdings

Toll works for the US military and the Australian Defence force. It does specialised freight transport services for military goods and equipment, base support services and movement of soldiers and equipment.¹⁵⁹ It is a member of the New Zealand Defence Industry Association and a sponsor of the annual Weapons Conference.

Transfield Services/Broadspectrum

Transfield Services Ltd is an Australian corporation providing operations and maintenance, asset management, project and capital management outsourcing and infrastructure development. It holds a contract with the NZDF for facilities management. Transfield Services will change its name in 2015 to "Broadspectrum" after coming "under sustained pressure over its management of the Manus Island and Nauru immigration detention centres.

155 <http://www.pyroteknc.com/creating-safer-environment-specialised-vehicles.asp>

156 <http://www.radaero.com/media-release/radiola-aerospace-lands-plum-indian-contract>

157 <http://www.spotless.com/industries/defence>

158 <http://www.strategicsourcing.co.nz/content/images/stories/pdfs/capability-experience-strategic-sourcing.pdf>

159 <http://www.tollgroup.com/government-defence>

The detention centres there have been the site of violent riots, child sexual abuse allegations, assaults and other human rights breaches, and have been consistently condemned by the United Nations, human rights groups and parliamentary inquiries.”¹⁶⁰

Triton Resources Limited

Triton Resources is a one-man business run by Nigel Colling based in Wellington, NZ. It provides “independent contracting service in the fields of Commercial Management, Procurement and Contracts.”¹⁶¹ It is a member of the New Zealand Defence Industry Association.

Winston and Gordon Davies Limited NZ

Winston and Gordon Davies Ltd is an aerospace and defence industry machining company. It is a member of the New Zealand Defence Industry Association.

Wright Technologies Limited

Wright Technologies Ltd is a marine electronics company that provides a range of military products and services including radar, underwater remote operated vehicles, and satellite communications. It is a member of the New Zealand Defence Industry Association.

Xelocity Management Consultants NZ

Xelocity does project management and business analysis. It has contracted with the NZDF to provide project management on fleet upgrading.¹⁶² It is a member of the New Zealand Defence Industry Association.

160 Ben Dougherty. 25 Sep 2015. “Detention centre operator Transfield Services to be renamed ‘Broadspectrum”” *The Guardian*. <http://www.theguardian.com/australia-news/2015/sep/25/detention-centre-operator-transfield-services-to-be-renamed-broadspectrum>

161 <http://www.tritonresources.co.nz/>

162 <http://www.xelocity.com/site/page/article.asp?fpar=53d383536595746>

10. Related issues of concern

There are two rapidly escalating developments of concern to Peace Action Wellington because they indicate the growing scope of the *military-internet complex*¹⁶³ in New Zealand:

1. The development of an Unmanned Aerial Vehicle (UAV) industry association with the support of Callaghan Innovation and the University of Canterbury Geospatial Research Centre.¹⁶⁴

Surveillance drones have already been deployed by the NZDF in combat theatres, and domestically by the New Zealand Police for specific operations. The Defence Technology Agency has been instrumental in the development of two drones that have been commercialised. There is extensive use of weaponised drones throughout the Middle East and Central Asia predominantly by the US military. In 2015, Callaghan Innovation awarded \$10,000 to each of six entrants in its inaugural C-Prize challenge to further develop their respective drone prototypes. The winner will receive \$50,000 and an all expenses paid trip to a 2016 Las Vegas trade show.¹⁶⁵ A law allowing UAVs to be equipped with non-lethal weapons (e.g. tasers, pepper spray, rubber bullets) was passed in the North Dakota legislature in August 2015 due in part to the efforts of industry lobbyists.¹⁶⁶ “Non-lethal” tasers have been responsible for the deaths of at least 39 people in the US in 2015.¹⁶⁷

2. The growing Surveillance-Intelligence export industry:

The NZTE is providing financial and technical support to the Security Technology Alliance, four “high-growth technology leaders” that claim to receive “more than \$350 million in global revenue.”¹⁶⁸ As the war on terrorism is increasingly defined by asymmetrical, home-grown threats, the boundary between internal and external security is blurred.¹⁶⁹ Intelligence agencies, militaries and domestic police forces are being given both broad powers to conduct surveillance and a mandate to work together. The recent creation of the New Zealand Intelligence Community¹⁷⁰ centred in the Department of Prime Minister and Cabinet evidences the move towards a singular, coordinated approach to nebulously defined security threats. It is specifically reflected in the tying together of very broadly expanded powers of surveillance within the GCSB (long understood as the NZ agency that spied on foreign targets), to an accompanying duty to assist the NZ Police and NZ Defence Force.

163 This term, coined by author Shane Harris, *@War: The rise of the military-internet complex* (Houghton Mifflin 2015) is a useful way of describing the convergence of the US military and intelligence agencies, traditional weapons companies and new data corporations along with the emergence of cyberwar as a new terrain of battle.

164 Callaghan Innovation. *Annual Report to 30 June 2014*. https://www.callaghaninnovation.govt.nz/sites/all/files/annual-report-2014-web_0.pdf

165 Final six in Callaghan Innovation drone prize revealed <https://www.callaghaninnovation.govt.nz/news-and-events/final-six-callaghan-innovation-drone-prize-revealed>

166 “First State Legalizes Taser Drones for Cops, Thanks to a Lobbyist.” *The Daily Beast*. 26 August 2015. <http://www.thedailybeast.com/articles/2015/08/26/first-state-legalizes-armed-drones-for-cops-thanks-to-a-lobbyist.html>

167 “The Counted: people killed by police in the US”. *The Guardian*. <http://www.theguardian.com/us-news/ng-interactive/2015/jun/01/the-counted-police-killings-us-database>

168 <http://www.securitytechnologyalliance.com/#!alliance-members/coyz>

169 <http://www.nzic.govt.nz/about-us/securing-new-zealands-future/>

170 <http://www.nzic.govt.nz/about-us/>

11. Conclusions and further questions

There are some important conclusions to be drawn and some further questions that arise from this work.

Conclusions

First and foremost, it is clear New Zealand has a growing weapons and military-related export industry that is seeking to expand further into the global market.

Further it is equally clear that this industry is receiving substantial government support both direct and indirect. That government support for industry research comes from Callaghan Innovation while support of exports largely comes from New Zealand Trade and Enterprise, with the Ministry of Foreign Affairs and Trade, the Ministry of Defence and NZDF also providing significant support.

On one hand New Zealand is involved in numerous arms trade treaties and export control regimes, and on the other, it is actively supporting the growth and export of weapons and military-related products and services.

There is an active industry lobby group that is closely connected to the Ministry of Defence and the NZ Defence Force. This industry lobby group currently numbers 83 companies including the world's largest weapons manufacturer, Lockheed Martin.

It is difficult to determine the annual revenue and size of the export industry.

Information around weapons and military-related production and supply remains opaque. Regrettably, the recently complete UN Arms Trade Treaty, the most comprehensive in terms of signatories of the five to which NZ is a party, addresses only conventional weapons, ammunition and componentry. The production of the dual-use goods which are at the heart of this report will not feature in that reporting. Of the treaties, only the Wassenaar (with 41 signatories) has reporting requirements for dual-use goods, however, the reporting only extends to non-signatories. Such dual-use also does not include the provision of non-military services to militaries.

Despite public perception, New Zealand's own weapons and military-related expenditure is not insignificant: the annual expenditure of +1% of GDP, or an estimated 3% of the overall NZ budget, and the commitment of \$15 billion in spending on capital projects over the next fifteen years are not trivial amounts.

Further, the New Zealand Super Fund is also a large investor in some of the world's largest and most profitable global weapons companies with holdings of \$136 million, including large investments in Boeing, BAE and Raytheon.

Peace Action Wellington is concerned about the significant resources devoted to the development of unmanned aerial vehicles (drones) by NZ research organisations and private companies, accompanied by widespread weaponisation of these types of aircraft in a number of overseas jurisdictions (many outside any declared war zone).

The consolidation of military, police and intelligence agencies, and the promotion of purpose-built goods and services to these agencies are also of significant concern to Peace Action Wellington.

Further questions

There are two questions that arise from this report; they call for considerably better-informed public input and discussion.

The first question essentially relates to the industry: should the New Zealand State be providing support for the development of the arms industry, both locally and internationally? As this report

shows, the government is not simply a purchaser of materials for the NZDF; it is an active promoter of business opportunities for companies to develop and market goods and services to overseas militaries.

It is outside of the scope of this report to address the significant political influence wielded by arms manufacturers in the US and UK, but suffice it to say, they are not passive participants in a free market. They actively work to shape state responses to war and conflict in ways that maximise their profits and minimise their risks.¹⁷¹ Given the close defence relationships that New Zealand cultivates with the US and UK, political influences from overseas may indeed have a significant impact here. War is good for the business of those who are in the business of war; the question is: do New Zealanders want the government to financially and ethically support that industry in our names?

The second, and perhaps, more fundamental question—do we support perpetual war?—relates to the provision of goods and services to the NZDF. If the country is to maintain a standing armed force, then the provision of weapons and military-related products and services from somewhere becomes an obvious necessity.

If, however, New Zealanders decided to dispense with a standing armed force then the New Zealand government would have no need for relationships with arms dealers and those who profit from war. Such a path would be a profound divergence from the current position of any parliamentary political party; however, there are models for New Zealand to emulate including Costa Rica and Panama. New Zealand's history of engagement in foreign wars is deeply tied to that of the UK and US. In an era of indefinite 'wars on terrorism,' continuing to literally 'link arms' with overseas powers will entangle New Zealand more and more deeply in conflicts around the globe for the foreseeable future.

Peace Action Wellington has grave concerns about the continued government support for the weapons and military-related industry. It is our view that support for such industry, particularly its overseas promotion and development, exacerbates conflict, increases global insecurity and encourages war. We believe that support for the weapons and military-related industry domestically deprives New Zealanders of scarce resources that would otherwise bring about better, healthier, safer communities: housing for the poor, health care for the infirm, and education for all.

We cannot simultaneously prevent and prepare for war.¹⁷²

171 Center for Responsive Politics. *Defence & Aerospace lobbying expenditure*. <https://www.opensecrets.org/lobby/indusclient.php?id=D01>

172 Albert Einstein

Appendix: Additional company listings

In the time available to prepare this report, it was not possible to research all of the specific links or contracts that companies had to weapons or military-related products and services. This listing serves as a guide for further research. It is largely drawn from the *Australia and New Zealand Defence Directory*, and no claims are made about the specific work that any particular company does:

3 Way Solutions Ltd
A1 Embroidery & Screenprint Ltd
Aarkim Plastics Ltd
Aarque Graphics NZ Ltd
AB Equipment Ltd
AB Industries
Abbott Laboratories NZ Ltd
Active Components (NZ) Ltd
Aerofast Tiedowns Ltd
Aeromarsters Powervamp Ltd
AGP (A&G Price Ltd)
Air NZ Engineering Services
Aircare Technology Limited
Airflow Engineering Ltd
Albion Clothing Limited
Altex Coatings Ltd
Ancra NZ Limited
Aradex Holdings (NZ) Ltd
Asco Carbon Dioxide Ltd
Aviation Ni-Cad Services Ltd
Azimuth Consulting Limited
Bata Co (NZ) Ltd
Betacom (1988) Ltd
Bluewater Systems
Bomardier Recreational Products NZ
Bridgestone NZ Ltd
C & R Equipment Ltd
CablePrice NZ Ltd
Cadtech Supplies
Cafe Express Ltd
Calvert Plastics Ltd
Cambrian Engineering Company Ltd
Cambridge Clothing Company Ltd
Cameron Engineering Ltd
Campbell Tube Products Ltd
Canon NZ Ltd
Canterbury of NZ Ltd
Canvasland Holdings Ltd

Capital Instruments Ltd
Captron Electronics Ltd
Caravel Group
Carl Zeiss (NZ) Limited
Carlton Taylor Industries Ltd
Carr S Austin & Co Ltd
Carrel-Electrade Ltd
Carrier Air Conditioning NZ Ltd
Carter Holt Harvey Ltd
Casa Modular Systems
Century Yuasa Batteries (NZ) Ltd
Challenge Marine Ltd
Christchurch Engine Centre
Chubb NZ Ltd
Clark Equipment NZ Ltd
Coats Patons NZ Ltd
Cooke Industries Ltd
Corrosion Control NZ Ltd
Crown Embroidery Ltd
CSC NZ
Custombilt Steel Products Ltd
Daily Computer Consumables Ltd
Danband Products
Danfoss NZ Ltd
Dave Giddens Sailmakers Ltd
Davin Industries Ltd
Deane Apparel Ltd
Dive HQ Ltd
Dreamwool Ltd
Dulux NZ
ECL Group
Electronic Communication Solutions Ltd
Eric Paton Ltd
Farra Engineering Ltd
Fibreglass Developments Limited
Fieldair Engineering Ltd
Fitzroy Engineering Group Limited
Flight Structures Ltd
Flowtech Industrial Safety - Health Ltd
Furnware Ltd
Gencom Technology Ltd
Global Hydraulics & Controls Limited
Goodyear & Dunlop Tyres (NZ) Ltd
Gough Group
Guardall NZ Limited
GUD NZ Ltd

Harris Home Fires
Hillside Engineering
Hose & Coupling Distributors NZ Ltd
Hoskin Hollander & Associates Ltd
Howard Wright Ltd
HPM Legrand NZ Ltd
Hydraulink Fluid Connectors Ltd
Incept Marine Ltd
Industrial Measurement Centre (IMC)
Industrial Textiles Ltd
Interlock Group Limited
Iplex Pipelines NZ Ltd
Jasco (NZ) Pty Ltd
Jaydex International Ltd
John Bull Footwear (NZ)
Johnson & Couzins Ltd
Kernoan Engineering Ltd
Lancer Industries Ltd
Line 7 Limited
MacDonald Industries Ltd
Mace Engineering Ltd
Marks & Associates Limited
Matrix Applied Computing Ltd
McKenzie Aluminium
Mercer Stainless Ltd
Mersen Oceania
Metrology Calibration Services Ltd
Mills-Tui Rotorua Ltd
Monz Ltd
Mulford Plastics (NZ) Ltd
Naiad Inflatables (NZ) Ltd
Napier Tool & Die Limited
National Radiators
Nichecom Ltd
Nulook Windows & Doors Ltd
Nylex NZ Limited
NZ Safety
Opus International Consultants Ltd
Pacific Aerospace Ltd
Pacific Helmets (NZ) Ltd
Packaging House
Pakuranga Engineering Ltd
Pall NZ Ltd
Palmer Canvas Synthetics Ltd
Pilkington (NZ) Ltd
Planhorse Systems Ltd

Portion Pack Foods Ltd
Pump & Valve Specialties Ltd
R A Trading Eco-Wristrest
R Cameron & Co Ltd
R H Freeman & Co Ltd
Renold NZ
Rotational Power Group
Schneider Electric Ltd
Scott & Williams Canvas & PVC Ltd
Scott Automation
Seatrans NZ Ltd
SGS NZ Ltd
Sims NZ Ltd
Skellerup Industries Ltd
SKF NZ Ltd
Skope Industries Limited
Sliderite Manufacturing Ltd
Southern Cross Engineering Ltd
Spectrum Aluminium Ltd
Steelfort Engineering Co Ltd
Stewart & Cavalier Ltd
Strait Engineering Ltd
Streat Automation Ltd
Sullivan Electrical Ltd
Supreme Metal Component Solutions Ltd
Synapco Industries Ltd
Tactics Ltd
Tasman Insulation NZ Ltd
Tauranga Canvas Co Ltd
Teltherm Instruments Ltd
Tenix NZ Ltd
The National Innovation Centre Ltd
The Workwear Group
Tordeich Engineering Ltd
Tracgrip Hydraulics & Equipment Ltd
Trimble Navigation NZ Ltd
Tru-Test Corporation Limited
Truck Centre (Bay of Plenty) Ltd
Ullrich Aluminium Company Limited
Ultralon Products (NZ) Ltd
Vega Industries Ltd
Wakefield Metals Ltd
Wallace & Cooper Ltd
Weldwell NZ Ltd