



## **MEDIA KIT**

# **CHRISTCHURCH STADIUM FACTS AND STATISTICS**

Jack Hinton Drive, Addington, Christchurch, New Zealand

### **INTRODUCTION**

- The devastating earthquakes of 2010 and 2011 left Christchurch without a venue to host large outdoor sporting and music events.
- Addington was considered the most suitable and available location for this new, temporary Stadium for Christchurch.
- It is the first and largest sports facility built in Christchurch since the earthquakes, symbolising the city's recovery and rebuild.
- The stadium construction has taken less than 100 days.
- It will host rugby union, rugby league and football games, rugby union test matches, community and cultural events and music concerts.
- The Canterbury Rugby Football Union's Crusaders franchise last played to a home crowd 14 May 2010 versus the Brumbies at AMI Stadium in Christchurch.

### **FINISHED STADIUM STATISTICS**

#### **Stadium design:**

The stadium design combines modular buildings and lightweight stand structures with a fabric roof, applying techniques used in the London venues for the 2012 Olympics that architects Populous are also designing.

Each of the four seating stands is built with earthquake risk in mind. Stabilising gravel rafts have been dug a metre into the ground to strengthen each stands' foundations. These rafts contain layers of geotextile matting, which when combined with gravel creates a rigid platform beneath the stands. This also serves to prevent liquefaction from penetrating beneath the foundations.

The structures supporting the seats are made of a latticework of steel tubes, using scaffolding technology. Thousands of additional bracing components were added to the standard system to meet stringent seismic engineering and safety requirements.

#### **Capacity:**

Capacity for regular matches 18,000

Capacity for international test matches up to 25,000

Capacity for music concerts 34,000

Number of covered seats 11,140

Capacity by stands:

<b>Stand:</b>	<b>Regular match capacity</b>	<b>Test match capacity</b>
North stand	6728 seats (5397 covered)	6728 seats (5397 covered)
South stand	6439 seats (5743 covered)	6439 seats (5743 covered)
East stand	4120 seats	5285 seats
West stand	704 seats	6779 seats
<b>Total</b>	<b>17,991 seats (11,140 covered)</b>	<b>25,231 seats (11,140 covered)</b>

**13 hospitality boxes:** Prefabricated kitset buildings were assembled off-site by Hawkins Construction and designed by Spanbild Holdings. Capacities: 5 boxes 60pax; 1 box 45 pax; 1 box 40pax; 5 boxes 30pax; 1 box 20pax.

**Media tribunes** are located in South Stand. 20 tabled media, 16 non-tabled media.

**Pitch/Turf specifications:**

Rectangular pitch 140 metres long by 90 metres wide. Big enough for all major sports codes. Rugby pitch is 120m x 70m.

Grass type is Motz reinforced turf system.

Irrigation system is Rainbird system.

Farthest seat from the pitch is 29 metres.

**Roofing & seating statistics:**

Roof height is 19 metres.

Roofing structure is made of 270 tonnes of steel material.

Roofing cover consists of 7,500 square metres white opaque PVC fabric, which is recyclable.

The North, South and East temporary stands are built using galvanised steel tubes in a scaffold truss system.

The seats have come from various sources including Auckland's Eden Park where they were used for Rugby World Cup 2011; Christchurch's QEII Stadium, and Mangatainoka.

**AV screen** size is 66 square metres.

**Lighting** for night events are lit by 250, 1800 watt lamps mounted in four lighting towers to provide an average illumination of 1900 Lux.

**Toilet** facilities: 194 toilets, 173 urinals and 161 handbasins.

**Merchandising** via two outlets onsite.

**Food and beverage** 20 outlets spread over the four corners of the stadium.

**“REDUCE, REUSE, RECYCLE” FEATURES OF STADIUM**

- Much of the infrastructure for this temporary stadium has been sourced by Central Government from other New Zealand venues.
- The 4 light towers were decommissioned from Dunedin's Carisbrook ground, transported by truck, refurbished in Christchurch then installed at Christchurch Stadium.
- The entire pitch is reused 12,600 square metres of turf harvested from Christchurch's AMI Stadium in rolls then relaid at Christchurch Stadium.
- Food & beverage and merchandising outlets were supplied from Auckland's Eden Park and Dunedin's Carisbrook ground.

- Eight toilet facilities were supplied by Auckland's Eden Park.
- Seats were supplied by GL Events and Acrow Ltd.
- Astroturf around the pitch perimeter is recycled from Auckland's Mt Smart Stadium and borrowed from Christchurch's AMI Stadium.
- AV big screen, public address system and goalposts have been relocated from Christchurch's AMI Stadium.

## CONSTRUCTION PROJECT STATISTICS

- Demolition of the existing bleachers and other facilities at the Addington site (formerly known as Rugby League Park) began on 14 November 2011.
- Construction began 20 December 2011 and is due for completion (less than 100 days later) in time for the March 24, 2012 Investec Super Rugby 2012 Crusaders vs. Cheetahs rugby game.
- 340 tonnes of steel used (approximately) in the stands and gantry roof structures.
- 77,000 metres of cabling used (approximate).
- 7,400 metres of PVC fabric used.
- Approximately 4,500 cubic metres of concrete used.  
In one of the largest single concrete pours ever in Christchurch, 130 trucks delivered concrete for the platforms underneath the North and South Stands and players facilities overnight on 2 February 2012.
- At height of construction 400 workers were onsite.
- 180,000 manhours worked during construction phase.

## CONSTRUCTION PARTNERS

**Main Contractor Hawkins Construction.** Hawkins Construction is New Zealand's largest privately owned construction company with over 65 years of experience in the New Zealand market. When awarded the contract for Christchurch Stadium, Hawkins pulled together a team with very recent and relevant experience, the core of which were key players in the delivery of Dunedin's Forsyth Barr Stadium in 2011.

**Project Management RCP.** RCP proudly provided independent Project Management services from concept design until the successful handover and occupation of the new Christchurch Stadium. RCP has previously provided Project Management services to other major stadium developments including Auckland's Eden Park; Northland Event Centre and Brisbane's Suncorp Stadium, in addition to event overlay work for RWC2011 and the America's Cup.

**Architect Populous.** Populous is a global architecture, design and master planning consultancy specialising in creating environments that draw people and communities together for unforgettable experiences. Populous' portfolio includes such icons as; the London 2012 Olympic Stadium; Yankee Stadium in New York; Soccer City in South Africa, the Nanjing Sports Park in China; MCG and Etihad stadiums in Melbourne. In New Zealand Populous led the design teams for Eden Park, Forsyth Barr Stadium and Westpac Stadium.

**Structural Engineer CPG.** CPG is proud to have been involved in this landmark project for Christchurch. CPG structural engineers designed Grandstand and Roof Foundations as well as Grandstand Superstructure utilising multiple tubular steel component systems. In addition to structural services CPG are Fire Engineering Peer Reviewers to the project. CPG recently carried out structural design for the

temporary Rugby World Cup Grandstands at Eden Park as well as structural design of the prestigious Telecom towers in Auckland.

**Civil and Services Engineer Beca.** Beca is one of the largest engineering consultancies in New Zealand. Beca provided the Services Engineering for the stadium encompassing: Mechanical and electrical engineering; Plumbing and drainage; Fire engineering; Communications and security; Lighting design and services; Civil engineering. Beca also conducted a structural engineering peer review of the design and detailing of the structural systems for this project that they met the requirements and intention of the NZ Building Code

**Sub-contractors / other suppliers:**

Demolition – Southern Demolition

Earthworks – Paul Smith Earthmoving

Drainage – RCL Contracting

Piling – Piletech NZ Ltd

Siteworks – Fulton Hogan

Electrical – Aotea Electrical

Site Electrical – Connetics and Orion

Structural steelwork – Pegasus Engineering

Roof covering – Fabric Structure Systems

Turf services – TerraFirma of Christchurch

Fire Protection – Wormald

New toilet blocks – Portabuild

Seating – Acrow and GL Events

Hospitality boxes and players facilities design and supply – Spanbild

**HISTORY OF THE ADDINGTON SITE**

Formerly known as Rugby League Park. The land is owned by Christchurch City Council and from 1997 till 2011 operated by leaseholder Canterbury Rugby Football League, which has vacated the site.

Prior to 1997 the site was the A&P Showgrounds. Before 24 March 2012, the last match played on this ground was 4 October 2010 when South Island met Counties Manukau in the Rugby League National Premier Competition, which South Island won 36-20. The last event held at the ground was the Melbourne Storm Coaching Clinic and Trials on the last weekend in January 2011.

**LINKS**

[christchurchstadium.co.nz](http://christchurchstadium.co.nz)

[beehive.govt.nz](http://beehive.govt.nz)

[ccc.govt.nz](http://ccc.govt.nz)

[crfu.co.nz](http://crfu.co.nz)

[allblacks.com](http://allblacks.com)

[cpg-global.com](http://cpg-global.com)

[hawkins.co.nz](http://hawkins.co.nz)

[rcp.co.nz](http://rcp.co.nz)

[www.populous.com](http://www.populous.com)

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