

# Right From the Start

Holcim Australia  
CONCRETE



# Why Right From the Start?

## Three things are certain in Australia:

- Population growth
- Increasing urbanization
- Demand for concrete products

## In 2055, less than 40 years from now, Australia's population will almost double.

- Over 90% of Australians will live in major cities.
- Pressure on the space we have to live, work and play in is guaranteed.

## Holcim Australia is ready for the challenge with:

- The team, partnerships and alliances in place to ensure your technical and logistical goals are met efficiently and effectively.
- A large product range comprising standard concrete mixes to specialized value-added products such as sustainable solutions and high-performance concrete.
- Over 190 fixed and mobile concrete plants and more than 40 quarries across the continent.
- We are also a major player in the concrete pipe and precast industry through our Humes business that has 12 operations around Australia.



Concrete is the 2nd most consumed product on earth

## The Holcim Australia team is ready to add value at each key stage of planning, design, production and delivery.

Research and development	Project Planning stages	Logistics	Project specifics	Project evaluation
Laboratory testing & product development	Critical review of planning challenges of the project – for example, on site plants, resource management	GPS technology and mobile apps for greater delivery visibility, truck availability	Mix designs, safety, environmental, delivery, raw materials, testing, project management on site with dedicated resources	Delivery performance, product quality, cost against plan

# The Right Substance

## Thinking Big Globally...

- Swiss-based LafargeHolcim is now the world's **largest** building and construction materials company – following the 2015 merger of Lafarge and Holcim
- Major positions in concrete, cement, aggregates, and related products
- Operations in 80 countries across the globe
- Around 90,000 employees
- 1,400 concrete plants with a total combined capacity of 353 megatonnes worldwide
- LafargeHolcim's R&D Centre in Lyon is the largest of its kind in the world. We employ 200 staff in research and development; over 120 of whom boast a PhD; and we have been granted more than 250 patents. All of which adds up to better-performing concrete for your next project

## ...For Big Thinking Locally

- For over 100 years Holcim has worked on many of Australia's most iconic, major building and construction projects
- Previously known locally as Readymix, we're now Holcim Australia – a member of the global LafargeHolcim Group – and one of the top 3 construction materials companies in Australia
- We're proudly helping to build Australia's future in housing, infrastructure and major civil and commercial projects using our local expertise and experience together with global reach and resources

## Our Global Purpose – in a Nutshell

*To help the world build better.*

### We achieve this by working with our customers to help them:

- Build durable structures that last for generations.
- Build more affordably, to help more people realise their dreams.
- Build more sustainably so together we can reduce the impact on our planet.
- Push the boundaries of technology, to build more innovatively and create the materials of tomorrow.
- And build more beautifully to inspire the designs of the future.



353 megatonnes of concrete is equivalent to more than 11 million fully-loaded mixer trucks



# The Right Experience

## Commercial Projects

- We've accumulated a wealth of experience supplying products and services to some of Australia's largest and most technically demanding projects.
- Holcim Australia has a dedicated Major Projects team ready with the necessary resources to ensure efficient concrete supply, even in remote locations.
- We have an experienced team of Key Account Managers focused on meeting market needs in everything from residential development to civil construction.
- Our collaborative customer approach helps to achieve improved solutions for your various projects.

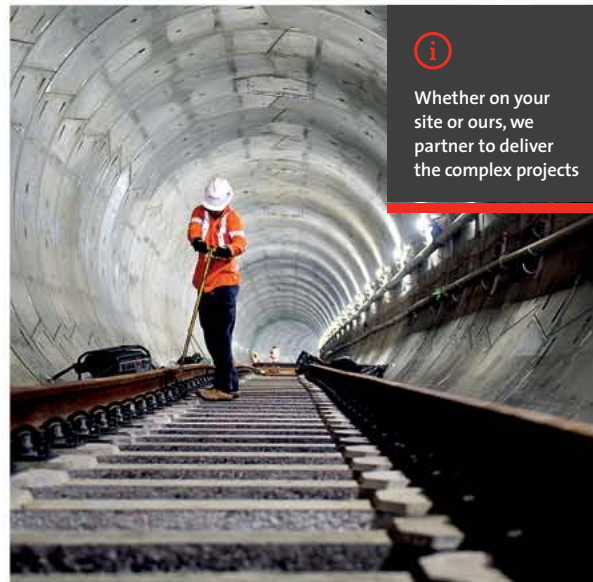
## Sydney Metro Northwest

Client: Transport for NSW

Duration: 2013-2015

- Supplied concrete for the twin 15 kilometre Sydney Metro Northwest tunnels – Australia's longest railway tunnels
- Our purpose built precast plant at Bella Vista, NSW produced 98,184 concrete segments, which were turned into 16,290 concrete rings to line the tunnels and keep them waterproof
- Our batching plant was built and operated exclusively to feed segment production, which set a world record of 432 segments produced in 24 hours

Sources: Sydney Metro Delivery Office (2016), CPB Contractors (2016)



## Gorgon LNG Plant

Client: Chevron Australia

Duration: 2010-2016

- Two on-site ready-mix concrete plants supplied, including a mobile, purpose-built plant with associated ice storage for concrete temperature control, and a fleet of trucks to ensure availability and continuity of supply
- Supplied 400,000m<sup>3</sup> of ready-mix concrete, over a million tonnes of aggregate, and 70,000 tonnes of precast units over four years
- Conducted a thorough technical review of aggregates and admixtures to maximize aggregate performance and gain significant cost and time savings for the client

Sources: LafargeHolcim (2016), CCAA (2016)



## Civil Projects

- Holcim Australia has a proud history of supplying innovative solutions for tunnels, bridges, dams, major roadways, water treatment plants and other infrastructure projects.
- Most require significant planning, co-ordination and development work, not to mention the challenges

of technically and logistically difficult projects including geographically remote locations.

- We're ready to provide a supply proposal via either our fixed plant network or tailor made solutions from our pool of mobile plant options.

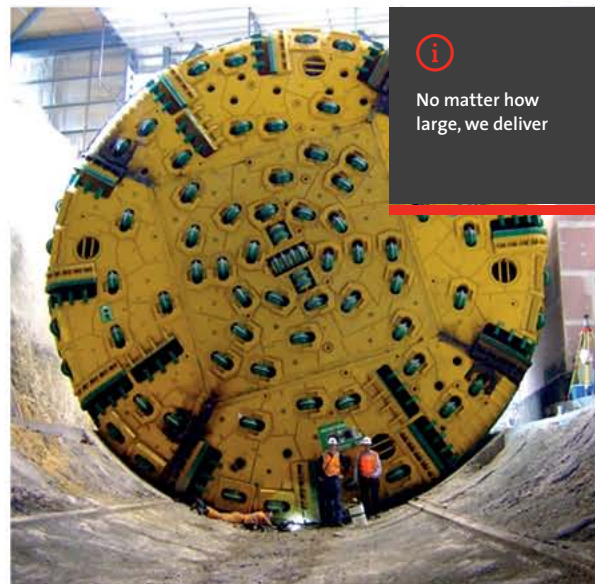
### Brisbane Airport Link Tunnel

Client: Transurban

Duration: 2009 – 2012

- Team of 50 concrete specialists, engineers, and labourers spent nine hours pouring 2,800m<sup>3</sup> of concrete in a single night
- Forty-eight trucks delivered 380 loads of concrete, each arriving every two minutes, to complete the cut-and-cover process
- We also supplied 115,000 cubic meters of arch-lining concrete and 40,000 cubic meters of concrete pavement for the tunnel excavation, as well as over 100 individual mix designs for approval

Sources: LafargeHolcim (2010), Sydney Morning Herald (2010)



### New Royal Adelaide Hospital

Client: SA Health Partnerships

Duration: 2012-2015

- 185,000m<sup>3</sup> of concrete delivered within strict technical specifications
- Managed more than 200 truck deliveries per day to 6 entry points on a comparatively small site
- Involved a single 553m<sup>3</sup> pour as well as another conducted 45m above ground level

Sources: SA Health Partnerships (2016), South Australian Government/ SA Health (2016)







VILLA WORLD  
 Capalaba, QLD  
 We proudly supplied  
 concrete and  
 exposed aggregate  
 to this development  
 involving over 220  
 new homes

## Residential and Community Projects

From multi-residential developments to custom-built one-offs, we're here to support you

- Utilising our extensive experience and R&D capabilities, Holcim Australia has developed a range of performance concrete for various residential applications:
  - Regular performance concrete for structural solutions
  - High-performance value-added concrete including our range of shotcrete for swimming pools and basement carparks
  - Geostone™ decorative concrete, which can be *exposed* for durable driveways, pathways and landscaping, *honed* for comfort in outdoor entertaining areas from patio to poolside, or *polished* for stunning indoor living areas
- Holcim Australia is constantly improving the ways in which we service our residential customers – from technology to monitor truck movements, to online invoice and delivery docket access, and looking towards the future in terms of new plants in residential growth areas.
- With the right people, products, plants and fleet numbers to deliver, we're here, ready to support your next residential project.



DARLINGTON PARKLANDS Yarrabilba, QLD  
 Also perfect for creating and enhancing natural public spaces and places



EDEN BRAE HOMES Oran Park, NSW  
 Geostone exposed aggregate driveways: Value adding. Modern and stylish. Low maintenance and long lasting

# The Right Products

– *Holcim Australia has the range*

- Construction is challenging with many different projects and variations of concrete.
- From decorative concrete for homes to super high strength concrete for roads, bridges and multi-residential developments, Holcim Australia has a range of products to meet the demands of almost any project in Australia.
- And what we don't have, we'll work with you to see what's possible.



## *Geostone™*

A fusion of the uniqueness of Australian stone with the strength of reinforced concrete



## *Green*

A range of sustainable concretes that can contribute towards high Green Star ratings



## *High performance*

Our high-performance range of concretes can rise to challenges such as high early strength to rapid setting, to low shrinkage and lighter weight construction needs



## *Superspray*

A range of pre-mixed sprayable concretes to meet specialized needs such as tunneling, rail cuttings and swimming pools



# Right for Tomorrow

– So the world builds better

- We want to be a leader in sustainability – so we’re committed to the global LafargeHolcim 2030 Plan, which sets clear, measurable sustainability targets.
- Our expertise in concrete and its thermal properties helps us to contribute to the energy efficiency of buildings; another way that our global R&D capabilities help to make the world a healthier place.
- We’re a part of efforts to find new ways of enhancing the recyclability and eco-friendliness of concrete, including constant efforts to improve energy efficiency and reduce waste.
- The Holcim Foundation for Sustainable Construction promotes sustainable responses to the technological, environmental, socioeconomic and cultural issues affecting construction at the national, regional and global levels.



**ECOLIBRIUM WORKPLACE6** Pyrmont, NSW  
 Holcim Australia supplied the concrete that contributed to its rating of six Green Stars, the first office building in NSW to achieve this. Key tenants include Google Australia and Accenture

## Key Global Targets to Ensure We ‘Build for Tomorrow’

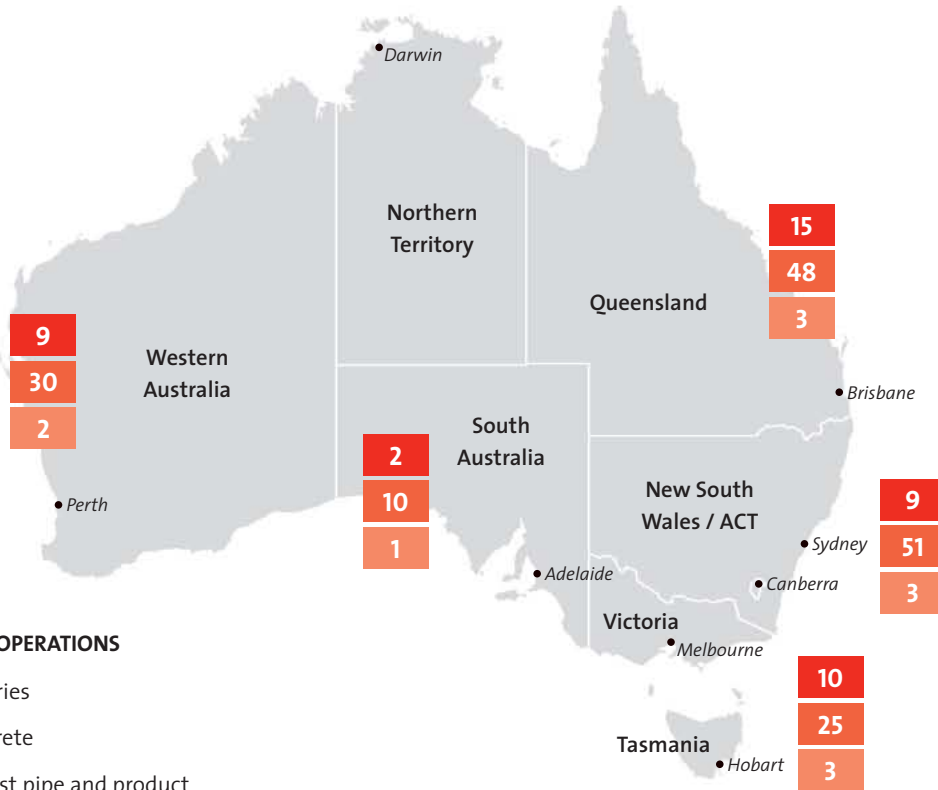




# Right Place, Right Time

Holcim Australia offers significant national coverage, supplying concrete from a network of more than 160 concrete plants, hundreds of concrete agitators, and mobile on site facilities to many places right across the continent.

Our 40+ nationwide quarry operations support our product by providing consistent, quality, yet differentiated aggregates for a diverse range of customers and applications.



## AUSTRALIAN OPERATIONS

- 45** Quarries
- 164\*** Concrete
- 12** Precast pipe and product

\* Excludes mobile plants.



## The Right Support – technical and contracting

No matter where your project might be in Australia, our Major Project business is waiting to step in and discuss your needs. Whether a dam, a mine site, freeway construction or some rural application; our mobile and on site batching and crushing facilities are ready for consideration.

# Keeping the Right Company

- We have in place a number of strategic partnerships to ensure our ability to serve all your needs.
- A key example is our alliance with Cement Australia, a major cement manufacturer in Australia.
- Holcim Australia maintains a high level of involvement with professional bodies to help set new performance benchmarks for our industry – we are a corporate member of the **Concrete Institute of Australia (CIA)** and **Cement Concrete and Aggregates Australia (CCAA)**.



## The Right Thing To Do

Holcim Australia offers community support through open house days, site tours, community-based events like tree planting and educational/community partnerships, we aim to build strong relations with our communities.

We also partner with the **Beacon Foundation** and **Technical Aid to the Disabled (TAD)**.



# The Right Approach

## The Right Team

- Holcim Australia offers customers an outstanding level of service and quality through qualified, experienced and dedicated personnel.
- Our core strength is our people: their expertise and skills, their ability to find innovative solutions and their commitment to excellence.
- With many years' experience and global support, you can rest easy when you deal with Holcim Australia.



## The Right Support

- Our technical resources including lab testing, certification etc. are focused on providing customers with solutions, not just products.
- We partner with **Construction Sciences** for testing services, providing another level of expertise and comfort for our customers.



## The Right Process

- Accuracy and timeliness are the cornerstones of concrete supply. We continuously strive to supply in full and on time.





Call us on 13 11 88 from anywhere in Australia for all of your concrete needs.

*All other enquiries:*

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