

**Concrete.**  
*FUTUREPROOF*  
your build™



**BRIDGES**

*FUTUREPROOF*



# 01 CONCRETE. DESIGN AND BUILD WITH CONFIDENCE

ANZAC Bridge, NSW  
Architect: Percy Allan

Concrete.  
*FUTUREPROOF*  
your build™

**Concrete is one of the world's most trusted material for building bridges. It allows you to design and build with complete confidence.**

Concrete is fluid and can be engineered and formed to complex design requirements. It then sets strong, holding its form for life.

Concrete's free-form versatility and strength allows you to design and build any bridge design including concrete arches, slab decks, beam bridges, box girder, cable stayed, stressed ribbon and inclined frame. It can be used in a wide spectrum of environments, since it is adaptable to any location.

Concrete helps reduce your risk because it is locally produced, readily available, and can be formed by local skills and talent. Those involved in construction are experienced with concrete providing added confidence for efficient engineering and design, scheduling, placement, and fast project completion with minimal on-site wastage.

Concrete's consistent performance means it is easy to meet standards and codes providing peace-of-mind.

With concrete, you can be confident you are working with one of the world's most reliable, versatile, and trusted construction materials.



Brisbane Gateway Bridge, QLD  
Architect: Bruce Ramsay



# CONCRETE. SUSTAINABLE FOR LIFE

# 02

Sea Cliff Bridge, NSW  
Architect: LHD Alliance

**Concrete.**  
*FUTUREPROOF*  
your build™



Adelaide Riverbank Pedestrian Bridge  
Architect: Tonkin Zulaikha Greer

**Across its life, concrete is a remarkably sustainable construction material, from the sourcing of materials through to design, operation and end-of-life decommissioning and recycling.**

Due to concrete's extreme durability its whole of life environmental impacts are low.

Concrete is locally manufactured which supports the local industry, community, and employment and is highly efficient with minimal onsite waste which reduces the impact of transportation.

Concrete is 100% recyclable and uses recycled materials in manufacture. It naturally absorbs carbon from the atmosphere throughout its life, with Global studies demonstrating up to one third of the original CO<sub>2</sub> emissions re-absorbed.

When it has been deemed to have served its original purpose, it can be recycled into other valuable applications.

Concrete is a sustainable material that is good to live with for its entire life.



# 03 CONCRETE. SOLID, SAFE AND LASTING



## With Concrete you are Futureproofing Your Build and Futureproofing Australia.

Concrete is Australia's locally manufactured, proven, durable and resilient construction material that just gets stronger over time.

Concrete's durability and resilience allows you to build bridges that will last for 100 years and beyond.

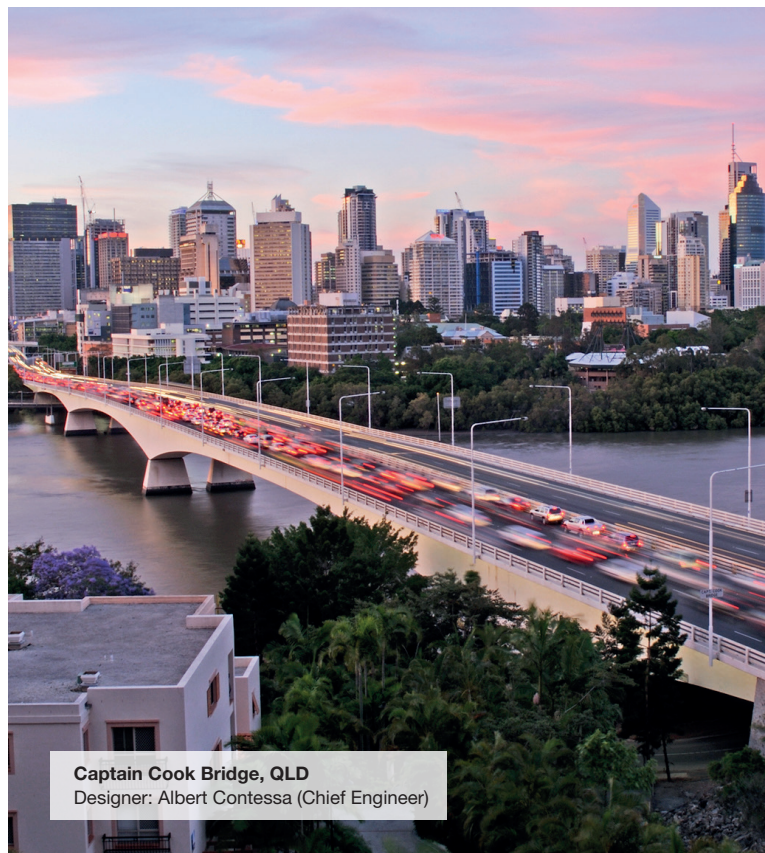
Concrete's inherent strength makes it the safe and secure construction choice allowing you to build as high and as long as your design demands.

Concrete is futureproof against natural deterioration, extremes of weather and climate and the ravages of fires, floods, and cyclones.

Importantly, concrete offers a virtually maintenance free design life.

Concrete offers excellent fire resistance, it is non-combustible and emits no toxic fumes.

With concrete you know you are constructing a bridge that is safe and solid, not only for today but for future generations to come.



**Captain Cook Bridge, QLD**  
Designer: Albert Contessa (Chief Engineer)

Front page image credit:  
Tasman Bridge, TAS

[www.futureproofwithconcrete.com.au](http://www.futureproofwithconcrete.com.au)

Since the information provided is intended for general guidance only and in no way replaces the services of professional consultants on particular projects, no legal liability is accepted by Cement Concrete & Aggregates Australia for its use and/or reliance on it by any person.

**Concrete.**  
*FUTUREPROOF*  
your build™