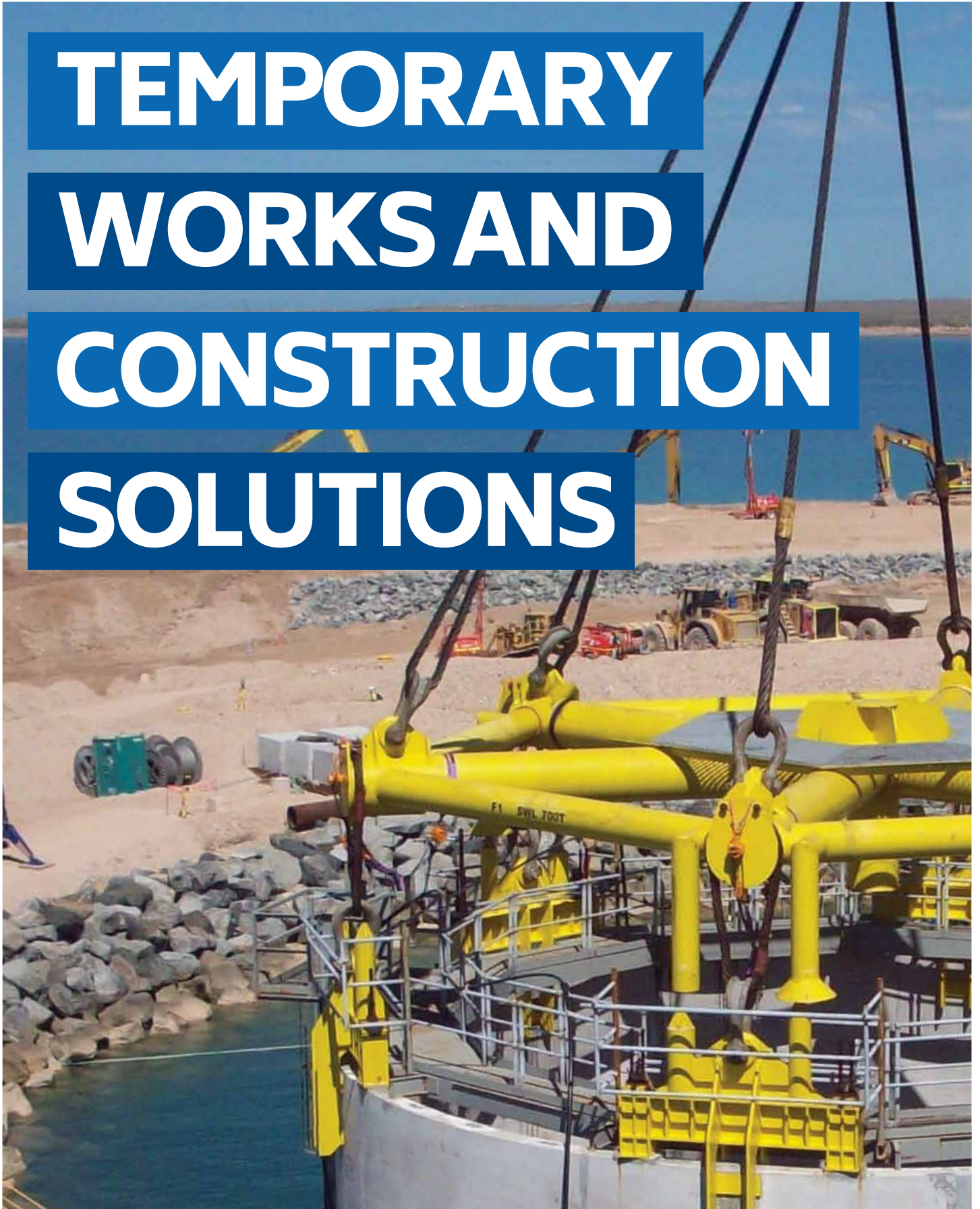


# TEMPORARY WORKS AND CONSTRUCTION SOLUTIONS



The **innovators** in engineering design

  
Madsen Giersing

# TEMPORARY WORKS

Construction Methodology // Design and Documentation // Lift Engineering Design



Hegigio Gorge Suspension Bridge, A - Frame Lifting, Papua New Guinea

## TEMPORARY WORKS

Temporary works are an essential part of the process required to complete permanent works but, they also play a critical role in providing safety on site and meeting project delivery timelines and budgets.

At Madsen Giersing we approach temporary works with a unique methodology. We understand the risks involved, the critical issues of timing and, the specialised construction techniques required for optimum outcomes.

Our innovative solutions are safe, practical and cost effective.

Madsen Giersing have a proven record of successfully providing engineering design services for temporary works to both national and international contractors on a broad range of projects in Australia, Papua New Guinea, South East Asia and the South Pacific region.

All of our projects are strictly quality controlled in accordance with ISO 9001 to ensure best for project outcomes with respect to safety, risk, quality and budget.

## TEMPORARY WORKS SOLUTIONS

- Piling frames and leaders
- Piling barges
- Barge stability
- Bridges and walkways
- Cantitravellers
- Travelling platforms
- Crane support platforms
- Drill rig platforms
- Work boxes
- Piling platforms
- Cofferdams and retaining structures
- Deep excavation and propping
- Construction sequencing
- Jacking and launching systems
- Formwork and Falsework
- Sea-fastening

## LIFT ENGINEERING DESIGN

- Heavy lift design
- Lifting equipment including spreader beams and frames
- Rigging arrangements and sizing
- Lift Studies
- Capacity review and strengthening design of structures being lifted



Riverside Expressway Bearing Replacement  
Brisbane, Australia



Amrun Export Facility - Jetty Traveller, Queensland



Barge Mounted Piling Frame, Brisbane

**TO DISCUSS TEMPORARY WORKS WITH THE MADSEN GIERSING TEAM, PLEASE CONTACT:**



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