

## SUPPORTING SYDNEY'S ICONS



Melbourne based engineering firm Calbah Industries recently completed two key projects that are literally helping support two of Sydney's most famous icons - the ANZAC Bridge and the Sydney Opera house.

The ANZAC bridge, servicing central Sydney for 15 years, now carries in excess of 100,000 vehicles a day. The iconic bridge has undergone a significant maintenance program for the past 12 months to ensure its effective operation well into the future. Calbah were engaged by principal contractor Boulderstone to fabricate the structural steel reinforcing to strengthen the bridge for future increased traffic loads. Calbah also fabricated the aluminium catwalks to provide permanent maintenance access to parts of the bridge which were previously difficult to reach.

Boulderstone project manager Brendan Muscat complimented Calbah on its role in the project. "The quality from Calbah was excellent and the complex structural components all came together seamlessly."

While its contribution to the ANZAC Bridge is clearly visible, Calbah's role in supporting Sydney's famous Opera House is more discreet. Principal contractor, John Holland embarked on its \$152 million dollar upgrade of the Sydney Opera House in November last year - the biggest building works on the site since its opening in October 1973. Part of that project is the excavation and construction of a new access road and loading dock UNDER the existing forecourt and vehicle concourse. Calbah's contribution was to fabricate the vital temporary and permanent underpinning props - literally 'holding up' one of Australia's most recognised landmarks.

Formed 15 years ago as a specialist design and steel fabrication shop, Calbah has progressively expanded its capability in the rail, mining and offshore industries. Founder and current MD, Chester Baker reflected "Specialisation in these highly technical arenas drove our continuous improvement, expanding the Calbah team and earning the quality, welding and design qualifications necessary to compete in these markets. This focus all those years ago has equipped us with the necessary skills to successfully compete for technically complex projects like the ANZAC Bridge and Sydney Opera House upgrades."

The chances are you may not remember ever having seen a Calbah product! Yet they can be found deep underground (mining emergency relief chambers) and deep under the sea (manifold frames for flushing and testing valuable sub-sea assets). They are in rail yards (specialist maintenance equipment) and protecting workers all around the country (Calbah Safety Rail Systems). Your goods may have travelled in them (open and closed offshore containers) and your water may have travelled through them (pipes and formwork for desalination plants in SA and Vic). If you've crossed a bridge or read a sign on a road gantry you are likely to have been supported or directed by them. You may not remember having seen them, but you will undoubtedly have benefitted from them being there.

