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ALE USES INNOVATIVE MEGA JACK TO INSTALL PERTH BRIDGE



ALE has used its innovative Mega Jack system to lift both halves of the main arch of Matagarup Bridge in Perth, Australia.

ALE executed the complex lifting and installation works for two 400t steel wishbones that form the large central arch of the bridge, with the completed arch reaching 72m above water level at its highest point.

For these manoeuvres, ALE utilised barges on the Swan River to float the wishbones to the designated piers and used the Mega Jack as temporary 50m towers to pull the wishbones up. The first lift was successfully completed on 27th April using strand jacks with the second lift and the concurrent docking operation successfully completed on 12th May.

Once the two 120m-long wishbones were lifted into place, they were held securely using the strand jacks until they were welded, to create the complete central bridge arch.

Frank Janssen, ALE's Project Manager, explained: "We are delighted to be involved in this landmark project for the city. This was a technically challenging operation involving the

majority of our transport systems and technical knowledge such as SPMTs, strand jacks, barges, hydraulic jacks and the Mega Jack System. We provided a time and cost-effective solution using our specialist equipment and expert operators. The successful arch installation marks a significant milestone towards the completion of the bridge."

The final phase involves the installation of five bridge decks by floating under the arch and connecting them to the bridge hangers.

The new Matagarup Bridge, located on the Swan River, will connect the eastern side of Perth city with the Burswood Peninsula, where a new 60,000 seat stadium was recently opened. Built for pedestrians and cyclists only, it forms an important part of the transport



options for major events and provides a permanent link for residents and visitors to enjoy parklands and other entertainment.

ENDS

For more information or images, please contact Sarah Maia on 01889 272 545 or email s.maia@ale-heavylift.com

Image 1: ALE's Mega Jack system used to support one of the wishbone arches during the first lifting manoeuvre.

Notes to editors:

ALE delivers a highly tailored, end-to-end service covering every aspect of the handling, transportation and installation of heavy, indivisible loads, including lifting, transporting, installing, ballasting, jacking and weighing.

ALE provides strategic heavy-lift services to a wide range of sectors, including civil, oil and gas, energy, nuclear, offshore, renewables, petrochemical, ports, marine, minerals and metals and mining.

ALE has a presence in 40 countries worldwide. It is fully compliant with international standards of safety and excellence, including Quality standard ISO 9001:2015, Environmental standard ISO 14001:2015, and Health and Safety Standard OHSAS 18001:2007. Further information can be found on the ALE website at www.ale-heavylift.com.

