

20 March 2019

VERSITILTY AND EFFICIENCY DEMONSTRATED WITH 7M JACK-UP IN KUWAIT



The Mega Jack 300's versatility and efficiency has been demonstrated as it jacked-up, transported and installed a 500t pipe rack module over 7m high in Kuwait.

The pipe rack module, measuring 57m long and 16m high, is the longest and highest module that has ever been jacked-up, transported, and installed in Kuwait. With a considerably high centre of gravity, ensuring stability was essential. By utilising the Mega Jack 300's unique stability and low starting height to pick up loads directly from SPMTs, ALE was able to perform the jack-up of such a tall and heavy module securely.

The module was first jacked-up 7.2m in just two hours and then transported on widening trailers 2.7km to its installation location. Despite limited clearance between the packing system and the Mega Jack 300, the accuracy of the control systems and the experience of ALE's operators ensured it was safely managed.

Similarly, as the work at site is progressing, ALE needed to ensure a more efficient hydraulic group configuration that was wider to navigate the tight corners and maintain a higher trimming value. ALE's engineers opted for 76 axle lines of SPMT in a 4 file 38 configuration. Once in position, it was installed onto the elevated stick built (7.2 m high) using the stroke of the SPMT.

"We are delighted to be providing the full onshore heavylifting solution for one of the largest refineries in the Middle East" explained Sarkis Juvelekian, Senior Project Manager.

"Our engineering team have overcome many of the challenges, such as limited clearances with the ability to jack-up high while maintaining stability, all in a safe and efficient manner. Our performance not only illustrates the Mega Jack 300's ability to handle these modules in the most suitable way, but also the expertise of the team involved."

As the modules are so different in their make-up, this jacking system provided the flexibility, compactness, operational speed, lift capacity and speed required.

This system is the latest addition to ALE's Innovation Series and the third in our jacking range, supplementing the Mega Jack and Mega Jack 800 systems. It has 300t capacity per tower and is much lighter and more compact than the previous models.

ALE's latest jacking innovation is vital to the successful completion of Package 2 and 3 of the KIPIC Al Zour Refinery Project, which involves the jack-up, transportation, and installation of 188 pipe rack modules varying in size, weight and foundation heights.

So far, ALE has completed the transportation, jacking and installation of 1/3 of the modules and ALE's scope is expected to complete by September 2019.

ENDS

Issued by the ALE Press Office. For more information or images, please contact Hannah Cooper on (+44) 1782 977261 or email h.cooper@ale-heavylift.com

Image 1: ALE's Mega Jack 300 jacking-up a 512t pipe rack module 7.2m using 12 bases with SPMTs underneath.

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 more than 30 offices across Europe, the Far East, Africa, America, South America, the Middle East and Australia. 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.