

Erection of a New Goliath Crane

Client: Dubai Drydocks



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CIVIL 50



Fagioli PSC were awarded the contract to erect the new 300 ton capacity Goliath crane for Dubai Drydocks at their facility in Dubai. The Konecranes designed crane comprised of a twin girder arrangement spanning 73m at a height of 57m to the top of the girder.

The erection involved the following activities:

- Lifting of both the 165 tonne fixed leg and 90 tonne hinged leg using two LTM1600 telescopic cranes (provided by local company Al Faris) and a crawler crane for tailing.
- Guying of both the fixed leg and hinged leg using four Fagioli PSC L50 strand jacks per leg.
- Placing of the 78 tonne upper trolley and 39 tonne lower trolley onto the main girders using the Al Faris cranes.
- Simultaneous lifting of main girders together with the trolleys (total lift weight 418 tonnes) using eight Fagioli PSC L100 strand jacks. All lifting equipment being controlled from a single computer station at ground level.
- Provision of twelve Fagioli PSC strand jacks (L50s and L15s) for use as emergency storm guys should a major storm have arisen during the girder lifting operation.

This is the ninth Goliath crane project that has been performed using Fagioli PSC equipment.