

## Erection of methanol vessels, Venezuela.

**Project:** V.P.M. Aclaratorias Project

**Main Contractor:** Ineectras Construcciones S.A. &  
Mitsubishi S.A. Joint Venture.

**Lifting Contractor:** Formiconi C.A.

PETROCHEM 05



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**Above left:** vessel T502 over half way through lift.

**Above right:** erection of vessel R401.

Fagioli PSC in co-operation with Formiconi C.A. erected two heavy vessels on this project. Vessel T502 was the taller at 78.9 metres height, with a weight of 420 tonnes and a maximum diameter of 10.9 metres including dressing. T502 was erected by means of a pair of triangular section Fagioli PSC Towerlift towers 84 metres height spanned by twin crosshead beams 14 metres x 0.5 metres x 1.8 metres. Mounted on the crossheads were a pair of PSC L300 strand jacks powered by one L2/70D hydraulic power pack. This Towerlift arrangement was stabilised in one direction by two guy cables each tensioned and controlled by Fagioli PSC

L50 jacks and in the other direction by four cables each controlled by Fagioli PSC L15 jacks.

Connection to vessel T502 was made by two cable links from the two pad eyes on the top of the vessel to a Fagioli PSC lift beam which incorporates a 1,000 tonnes capacity swivel. The second vessel, R401, was 27 metres in height, 6.8 metres maximum diameter, and weighed 430 tonnes.

For R401 the Towerlift system was reduced to 36 metres in height and was not guyed, ample stability being obtained by tower base anchor bolts. For both lifting operations the jacking system was remotely controlled from a cabin at ground level by means of Fagioli PSC's control system. Tailing of both vessels was by crane, a P&H 5300.

**Below:** vessels T502 & R401 - erection complete.

