

Britannia Platform Roll-Up of 4,500te Panels and Load-Out of 20,000te Jacket

Client: Britannia (Chevron/Conoco JV)

Main Contractor: Dragados Offshore S.A.



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Above: Both panels are at 45°, with the assist cranes detached the simultaneous roll-up continues. **Below left:** detail of anchor mounting brackets on the barge.

Load-Out

Four months after completion of the roll-up, Fagioli PSC returned to site load-out the complete structure on to an offshore barge. The 20,000te jacket was pulled over 250m by 4 No. L600 jacks, mounted on the jacket with the anchors fixed at the end of the barge, two for each skid track, and achieved pulling speeds of 25m/hr by use of the synchronised centrally controlled skid system.

As part of the Britannia Jacket construction at the Dragados fabrication yard in Cadiz, Fagioli PSC were contracted to carry out the roll-up of the panels, complete with mud mats and pile guides, and to subsequently perform the load-out of the complete structure.

Below: Detail of an L600 load-out jack during installation on to the jacket.



Roll-Up

Each of the two panels weighed 4,500te, and were rolled up to their welding position by the use of 5 No. L600 jacks arranged on each side. With the jacks suspended in tension frames and attached to the core of the structure with sling connections, the initial lift, on one side only, was crane assisted to 45°. The cranes then moved to the other side, assisting the second panel also to 45°. The computer controlled lift system then continued the simultaneous lift of both panels until just before break-over point, at which point 6 No. L50 hold back jacks were introduced to the system to control break-over until the panels reached their final positions.

