

## JACKING-UP 1100T

Sarens jacks-up the upper structure of a Danieli Ship Grab Unloader (SGU) in Bilbao, Spain



In the harbour of Bilbao, heavy lift specialist Sarens was contracted by URSSA Steel Constructions to jack-up the upper structure of a Ship Grab Unloader weighing 1100t.

The structure was manufactured on the bottom sill beams of the SGU, 5m above ground level, and lifted more than 50m to its final position.

To undertake the operation, Sarens's team deployed eight 200t lifting strand jacks and four 150t tie-back strand jacks. The equipment was transported

from the heavy lift and special transport company's Belgium yard in two days and took around two weeks for assembly.

URSSA has commissioned similar types of jack-ups in the past using more than 16 strand jacks, but Sarens provided the client with a technically superior and a more commercially viable solution by deploying only 12 strand jacks.

Four pairs of 200t strand jacks were installed on top of each SGU leg and four single tie back strand jacks were installed at the bottom part of those

same legs. The 1100t structure was lifted around 50m and placed onto its final position. Once placed, the lifting pair of strand jacks accurately adjusted the structure after which a number of bolts were adjusted between the upper structure and its four legs.

Sarens key account manager, technical solutions, José María Martínez Gutiérrez, said: "It was a very nice and smooth jack up and the client was happy about the safe lift performed by our team within designated time." ●