Modulift Beams Combine with Liebherrs to Dismantle Vessel

Two Modulift spreader beams were utilised below the hooks of a pair of Liebherr telescopic boom cranes as a floating tidal energy project was dismantled at the Port of Vigo, on the northwest coast of Spain.

The MOD 50s, which offer up to 50t capacity at 8m (26 ft.) or up to 13m (42 ft.) at a lower capacity, were used at 5m (16 ft.) in length. They were supplied in partnership with Modulift’s regional representative, Pescaira, an engineering and construction company. The beams were used with two 350t capacity Liebherr LTM 1350-6.1s, complete with 70m of telescopic boom, from rental company Gruas Doniz’s 25-strong fleet of cranes. However, there was only a requirement to utilise 40m of that boom length in this instance.

The tidal energy generation project uses marine tides to move huge underwater propellers to generate electricity. The floating system incorporates a submerged part where the hydrogenerators are fitted. It is anchored to the sea bottom by two mooring lines, to the bow and stern. Gruas Doniz was challenged with disassembly in three main lifts.
Pablo Doniz, of Gruas Doniz, said: “We chose the Liebherrs because of their capacity and flexibility. A tandem lift was referred principally because of the length of the ship and the position of the lifting points. The telescopic booms aided setup and removal from site. We had to lift the side floats, main structure, and boat keel, in addition to some smaller initial lifts. The main structure was the biggest—42m in length, weighing in at 90t.”

Doniz added that a special, triangle hook was used for lifting the keel to accommodate awkward attachment points. A variety of slings, shackles, and chains completed the rig. Gruas Doniz also stocks MOD 12 and MOD 70H beams. The former offers up to 12t at 4.75m (15 ft.) and up to 6.5m (21 ft.) at a lower capacity, while 70H units offer up to 100t at 8.5m (28 ft.) and up to 14m (45 ft.) at a lower capacity.