



Tombua-Landana: Giant Project Develops Oil and Gas in Angola's Deep Water

Walt Curtis, Installation Manager, Tombua-Landana Project

The Tombua-Landana compliant tower is located in 1,208 feet of water, which makes it one of the deepest fixed structures in the world. The Tombua-Landana project is using established technology. We're pushing it to new limits, new extremes. The leveling jacks were among the largest ever produced. The grippers that we used to secure the tower sections to each other are among the largest ever used.

Safety is extremely important, particularly on something like an installation process where you're using very large pieces of steel, very large cranes and equipment, heavy machinery – so it's extremely critical. Almost every lift that was made on the project was a dual-crane lift. Among the reasons for that is greater control of the lift. You can use the two cranes independently to maneuver and turn the lifted load. But also it gives you much greater capacity. Even though some of the loads appear to be within the capability of a single crane, because of the location of the center of gravity and the physical size of the modules, it's a lot smarter and easier to use the dual-crane lifts.

It's been a great project. I've had a ton of fun on it.