

Tunu and Ogotobo Crude Oil Separation Stations (Nigeria)

Owner:	SHELL PETROLEUM DEVELOPMENT COMPANY
Client:	Saipem Nigeria, Ltd
Period of execution:	January - June 2014
Contract value:	4.200.000 €

Between the months of January 2014 and June 2014, the precast pile foundation of the Tunu and Ogotobo crude oil separation stations was carried out. Those sites are located at the Bayelsa State in Nigeria.

The total amount of driven piles was 1,100 units, in 360 x 360 mm section with different depths from 26 to 35 meters, and 300 units, in 440 x 440 mm section with a depth of 40 meters. All these piles were manufactured on site in a temporary factory which was constructed and developed by Grupo Terratest.

The global quantity of precast piles executed was 45,000 m, which was driven into the soil by means of two driving rigs.

The solution of foundation of precast piles was chosen as the most appropriate solution for the project, from the technical and economic point of view, in addition to its high level of control, time of execution, cleanliness and respect for the environmental surroundings, due to not generating contaminating detritus or extraction of soil.

