



Kizomba "A" TLP

EXXONMOBIL's Surface Wellhead Platform (SWHP) is the first tension leg platform (TLP) installed offshore Africa. The unit is moored by 8 piles of 84 in OD in 3,870 ft water depth.

As the vessel is equipped with two cranes the project team decided to keep the hammer near the seabed during the project to avoid losing time.

The piling hammer was lowered to the seabed while the installation vessel handled and stabbed the piles with the second crane.

After stabbing each pile the hammer drove the pile to target penetration at pre-determined energy levels. The hammer stayed underwater for the whole period of two weeks.

MENCK's MHU 500T MUP Pile Driving System drove 8 piles in 8 days with 4 hours net driving time using 8,000 blows per pile. In addition, a redrive was performed on one of the piles to determine set-up.

Project name	Kizomba "A" TLP
Client (end customer)	EXXONMOBIL Development Company
Contractor	Stolt Offshore S.A., France
Location	Kizomba Field, offshore Angola
MENCK operational start	March 26th, 2003
MENCK operational end	April 3rd, 2003
Water depth	3,870 ft
Installation vessel	Seaway Polaris
Quantity of piles	8
Pile diameter	84 in
Number of blows per pile	8,000
Hammer	MHU 500T
Power pack	MUP
Mobilisation/Demobilisation by	Stolt Offshore S.A., France
Mobilisation harbour	Singapore and Antwerp, Belgium
Demobilisation harbour	Houston, USA
MENCK's scope	Pile installation subcontract
MENCK engineering	Review deck layout, prepare installation procedures



Pile sleeve 2.2 m

Launch of MHU 500T with MUP

MHU 500T before assembly of MUP

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