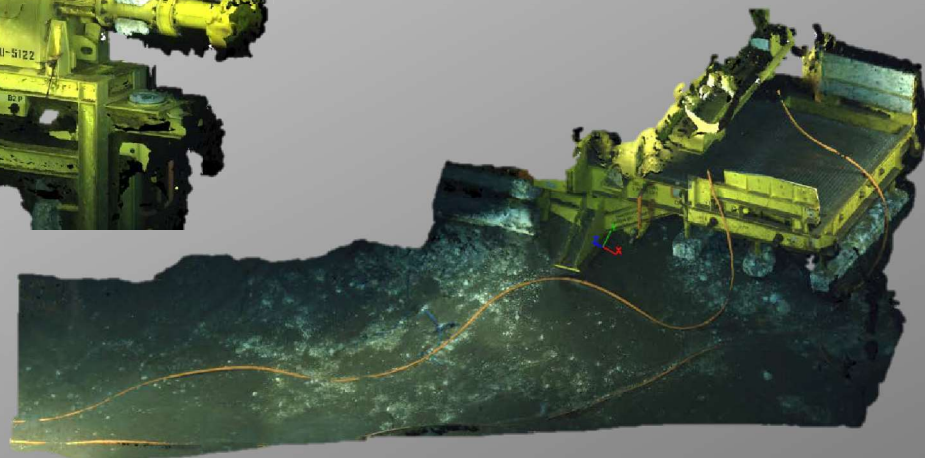
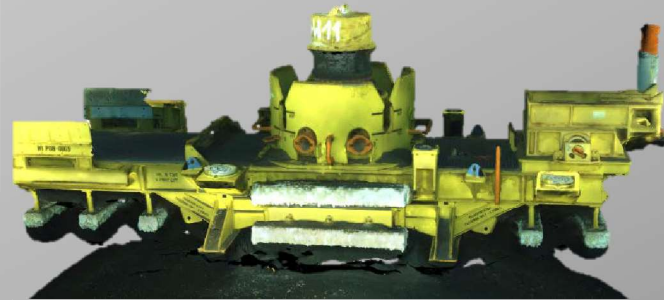
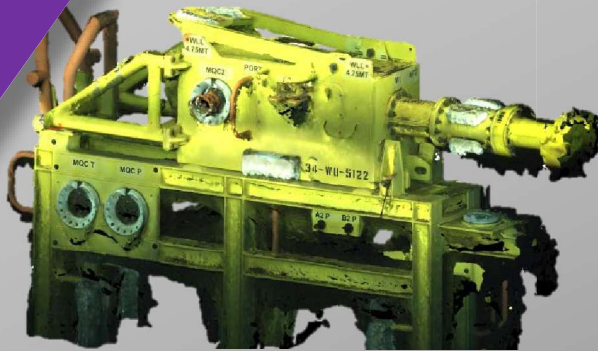


# SPOOL METROLOGY

&

# DIMENSIONAL

# CONTROL



3D models of surveyed structures  
Generated by ORUS 3D

## Client



## Project

KAOMBO

## Vessel / ROV

BE 805 /  
ROV Oceaneering Millenium

## Date

January 2018

## Project type

Spool metrology and  
Dimensional Control

## Location

Angola

## Water Depth

1100 m

## Scope Overview

The Kaombo campaign was undertaken to prove the capabilities of the ORUS3D photogrammetry system.

- 1) compare photogrammetry with acoustic method in spool metrology
- 2) 3D rendering of assests, thus opening the path to accurate mapping of as laid and as built (flying leads, flowlines etc)

The high resolution models generated allowed easier integrity and damage assesment to support life of field management, IMR and decision making.

## Survey

04:30 per structure (x8)

## Processing duration

2.5 days per structure (x8)

## 3D Models' Accuracy

+/- 10mm dimcon

+/- 38 mm spool metrology

