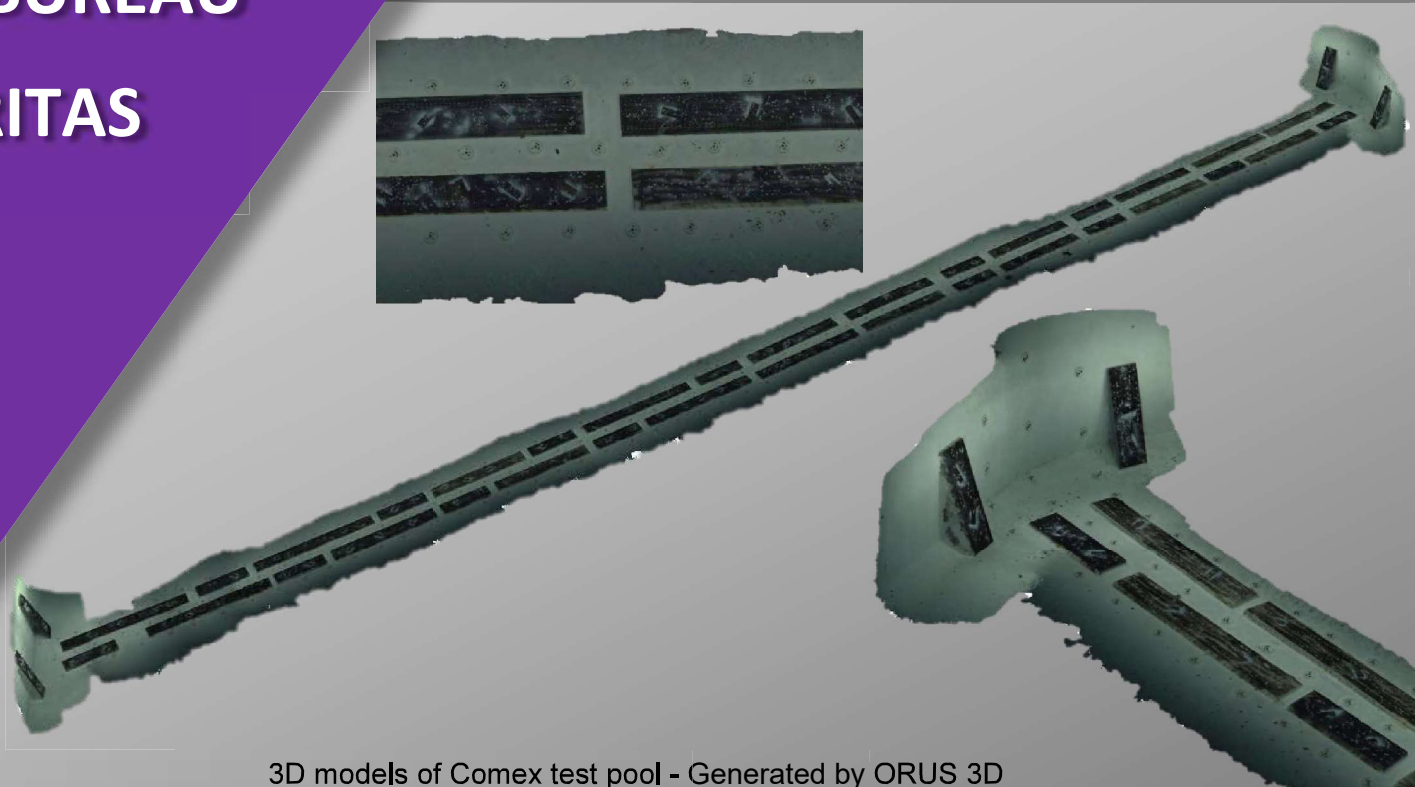


# SPOOL METROLOGY QUALIFICATION BY BUREAU VERITAS



BUREAU  
VERITAS



3D models of Comex test pool - Generated by ORUS 3D

## Certifying Authority



BUREAU  
VERITAS

## Project

Certification of ORUS3D accuracy for Spool Metrology applications

## Location

Comex test pool

## Date

March 2019

## Project type

ORUS 3D Qualification

## Scope Overview

In order to have ORUS 3D qualified by Bureau Veritas, a comparison between the metrology of a 200 encoded target array by ORUS 3D photogrammetric survey (subsea) and an initial land survey by theodolite (empty pool) was conducted at COMEX facilities. Objective was to demonstrate ORUS 3D ability to deliver accurate subsea metrologies on large scales.

Recorded accuracy on subsea metrologies (mm)	X	Y	Z
from 0 m to 5 m	0.71	0.30	0.49
from 0 m to 10 m	2.21	0.63	1.09
from 0 m to 15 m	3.87	0.83	1.54
from 0 m to 20 m	5.22	2.34	2.12
from 0 m to 25 m	6.68	1.90	2.35
from 0 m to 30 m	5.87	2.29	1.92

