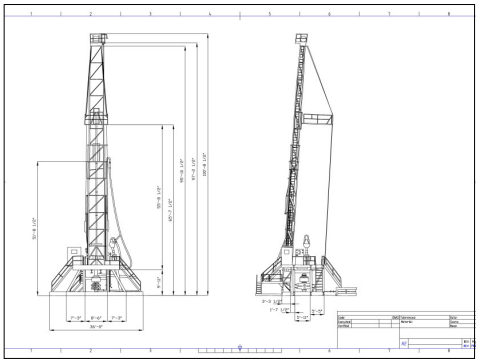
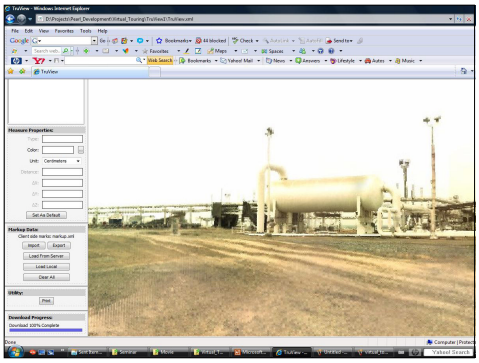
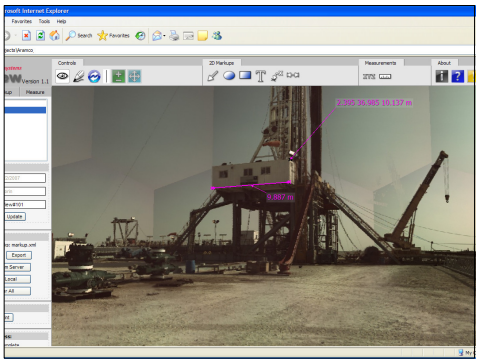
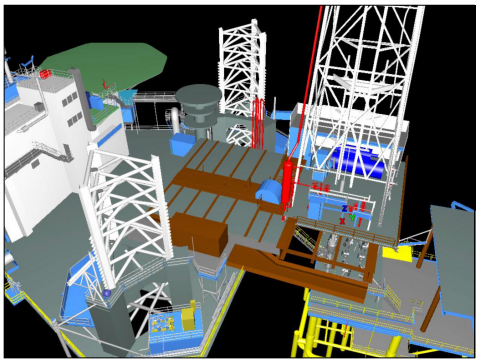
Multi Range Multi-D Imaging









On/Off-Shore Oil Rigs, Refineries, Plants, Vessels

SCDS provides advanced Data Collection, 2D/3D/4D Modeling and Monitoring Workflows for As-Builts and HDD (High Definition Documentation), Construction, Repairs, Maintenance, Upgrades and Conversion of On/Off-shore Oil Rigs, Refineries, Plants and Large Vessels.

Technological Features and Performances

- Non-intrusive, complete and rapid tri-dimensional sensing; an On-shore Oil Rig is fully digitized in 2-3 days, an Off-shore Oil Rig or a Large Vessel (MST, FPSO) in 1-2 weeks
- Effective solid model creation: 1,000 modeled objects / person / week
- Modeled surface accuracy can be improved to 0.08" and better; traditional as-built methods cannot produce similar 3D models
- Possibility to create high quality nonstandard NURBS surfaces
- Capturing the most inaccessible areas

Benefits:

- Accurate methodology for Structural Inspection and Monitoring with current environmental condition quantification
- Efficient and smooth integration of as-built model with design tools for optimized engineering and improved design
- Reducing the risk of construction interferences, detecting the clashes with congested areas and solving contractors' interface issues
- Improved safety by reducing site (re)visits and site hazard exposure
- Identifying and correcting critical equipment installation problems
- Project risk management and cost savings significantly exceeding the scanning system deployment costs

Available Export Formats:

- DXF/DWG, IGES, STEP, STL, PDMS
- ASCII

SCDS Corp.
117-11131 rue Meighen,
Pierrefonds, (QC), Canada, H8Y3H7
(514) 421-2936 office, (514) 685-4924 fax
scdspro.com info@scdspro.com metadataX.com

Copyright © 2002-2015 SCDS Corp. All rights reserved.