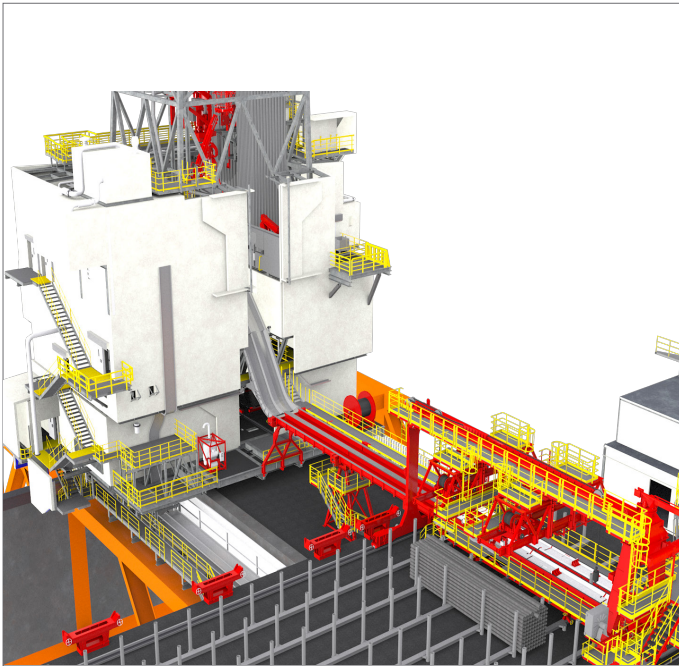


# Engineering Services

## Detail Engineering Brown Field/Upgrade



MHWirth 3D Max

### Drilling Rig Update

- Detail engineering
- Design and documentation of optimal drilling concepts, functionality and operation
- System and area responsible for drill floor, substructure and moon-pool, derrick/ram guide, pipe, riser and storage decks, mud, bulk and treatment areas

### Capabilities

- Management, interface, change and weight control
- Multi discipline 3D modelling
- Drilling process, hydraulic and utility systems

Installation	Type	Remarks
Isteglal	Semi	Engineering & Procurement
Snorre A	TLP	EPCI including FEED
Oseberg B	Jacket	EPCI for DES/DSM
Oseberg Øst	Jacket	EPC for DSM
Statfjord A	Condeep	Mud area including FEED