

Selected References Brownfield Process Packages & Mod.

Inspirer CFU, Norway



Customer/End User: Maersk/Repsol
Solution: Compact flotation unit for jackup modification.

Delivered: 2019

Grane, Norway



Customer/End User: Reinertsen/Equinor
Solution: Hydrocyclone skid for modification of fixed platform. The skid was designed fully equipped, including instrumentation and valves. NOV performed installation and commissioning offshore.

Delivered: 2015

Solan, UK



Customer/End User: Aker Solutions/Premier Oil
Solution: 35,000 BPD system cleaning produced water to <15 ppm oil. The system is designed for retrofit into the existing platform and consists of booster pumps, deoiling hydrocyclones, and compact flotation units.
Delivered: 2017

Jotun FPSO, Norway



Customer/End User: Worley/Vår Energi
Solution: Produced water treatment revamp including hydrocyclone liner replacement and inclusion of new CFU skid.

Delivered: 2021

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Cymric, US



Customer/End User: Worley Parsons/Chevron
Solution: Water plant expansion with 4 off 12 ft diameter nutshell filters, each designed to handle 50,000 BWPD.
Delivered: 2016

Sabratha, Libya



Customer/End User: Saipem/ENI/NOC
Solution: Split skid solution for produced water treatment including hydrocyclones, CFU, and degasser.
Delivered: 2019

South Arne, Denmark



Customer/End User: Amerada/Hess
Solution: Skidded produced water degasser with gas flotation and oil skimming features.

Delivered: 2004

Dukhan Field, Qatar



Customer/End User: BlackCat/QP
Solution: 13 vessels installed with advanced deoiling hydrocyclone (ADOHC) liners as part of Dukhan Production Facility Upgrade to cater the forecasted production profile.
Delivered: 2021

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Jotun FPSO, Norway



Customer/End User: Worley/Vår Energi
Solution: Fuel gas skid for FPSO modification.

Delivered: 2021

Inspirer TEG, Norway



Customer/End User: Maersk/Repsol
Solution: TEG regeneration skid and contactor for jackup modification.

Delivered: 2019

Bellevue & Jordan, Australia



Customer/End User: QGC
Solution: Replacement gas compressor scrubbers with high performance demisting internals.

Delivered: 2016

Terra Nova FPSO, Newfoundland



Customer/End User: Wood/Suncor
Solution: New gas scrubbers, modification of production separators, and gas dehydration system.

Delivered: 2019/2020

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Helang FPSO, Malaysia



Customer/End User: Yinson
Solution: HP flare KOD for FPSO modification. 9 different packages were delivered.
Delivered: 2019

Badu 5 refinery, Slovakia



Customer/End User: Slovnaft
Solution: Two-stage electrostatic desalters replacing existing spherical gravity settlers in refinery.
Delivered: 2017

Rumalia, Iraq



Customer/End User: PEG/ROO
Solution: 370,000 BWPD produced water skimmer vessel with NOV ZSQ inlet device, ZVE baffle & coalescer plate pack.
Delivered: 2020

Peshkibir, Iraq



Customer/End User: DNO
Solution: 79,500 BPD oil dehydrator equipped with two power units, bushings, inlet distributor, electrode grids, oil & water collector headers.
Delivered: 2021

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Kikeh FPSO, Malaysia



Customer/End User: Murphy/Petronas
Solution: ToreOVD for production and test separators integrated with ToreScrub sand cleaning and disposal system. The system was removing 5 tonnes per day when started up.
Delivered: 2011

Forties Delta, UK



Customer/End User: PD&MS/Apache
Solution: Deconstructable ToreScrub sand cleaning package.
Delivered: 2019

ETAP, UK



Customer/End User: BP
Solution: Supply of rental desanders to remove sand in produced water to reinjection pump. 37 tonnes of solids were removed monthly.
Delivered: 2014

Heidrun, Norway



Customer/End User: Aibel/Equinor
Solution: Seawater skid for Maria field. The system consists of two stage filtration removing particles larger than 5 μm . The skid also includes an air receiver and a gas scrubber.
Delivered: 2016