



Oil&Gas OBL 2011

Case study

OBL recently supplied to Alfsen og Gunderson (OBL Norwegian partner for Oil&Gas/petrochemical application) 22 diaphragm process pumps that will be integrated in a chemical injection module. It is the world's largest chemical injection module ever installed in an FPSO.

Eni Norge awarded the Goliat Floating Production Storage and Offloading (FPSO) contract to Hyundai Heavy Industries., HHI has been awarded the engineering, procurement, construction onshore commissioning and transportation contract for the Goliat FPSO.

Alfsen og Gunderson (<http://www.ag.no/ipaper/pumper.aspx?ShowIpaper=12>) will carry out design, engineering, construction, fabrication, testing and documentation for the entire injection module (11 chemical tanks, 30 chemical injection points, IBC's tanks, squeeze injection system and control system).

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OBL pumps are all Double diaphragm with rupture detector (pressure gauge and preset for remote indicator) and conforming to:

- **API 675 STD** guidelines (design, construction and performances)
- **NORSOK STD** fully complying (design, materials, painting and documentation)
- **ATEX 94/9/CE**



PMI certificates were supplied for all AISI 316 reagent heads (SGS Italy) and pumps API 675 performances (steady state accuracy, repeatability and linearity) were witnessed by, Alfsen og Gunderson, HHI and Eni Norge inspectors.

Pumps will be operated for the injection of wax inhibitor, scale inhibitor, emulsion breaker, antifoam, flocculant, pH stabilizer, H₂S scavenger, biocide, hydrate inhibitor and oxygen scavenger with operating pressure ranging from 30 to 255 bar g.

OBL already supplied to Alfsen og Gunderson process dosing pumps for other two FPSOs:

- *Ettrick FPSO, North Sea (VETCO Aibel AS / Bluewater Energy Service).*
- *Vincent FPSO, Australia (VETCO Aibel AS / MAERSK Contractors / Woodside Energy Ltd.*

Please visit www.oblitalia.com to have more information about metering pumps and www.ag.no to have information about chemical dosing systems.



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