



Facet
Filtration Group®

OFFSHORE WIND INDUSTRY

Making the world safer,
healthier and more productive®



FACET OIL-WATER SEPARATORS FOR OFFSHORE SUBSTATIONS (OSS)

Pollution Prevention System

Facet, a pioneer in offshore environmental solutions, proudly showcases our specially developed Oil-Water Separators designed for installation in Offshore Substations (OSS) within Wind Farms.

The challenging environmental conditions in OSS posed a significant engineering challenge, but today, thanks to our wealth of expertise, in-depth knowledge, and commitment to superior manufacturing quality, we can confidently assert that our systems stand resilient in these facilities —our numerous installed units serve as a testament to this fact— ensuring unparalleled pollution prevention.



Applications of Oil-Water Separators

Our Oil-Water Separators, equipped with coalescing media compatible with operational conditions, serve a wide range of applications.

These include oily drain systems (helifuel, lube/hydraulic oil, and drip tray from equipment containing oil) and water drain systems (firewater, rainwater, sewage, and seawater).

Facet MAS Series holds EN-858-1 approval, and Facet CPS B MKIII Separators are IMO approved.

Design Options

- Stainless Steel vessel
- IMO approved (MARPOL 73-78 Annex I) Oil PPM analyzer
- Suitable for Area Classification (EN60079:10 Zone 2 Group & Category II / 3)
- Electrical Heaters, tracing and thermal isolation
- MOV at the water discharge
- Instrumentation (LS, LT, Oil layer sensors)
- Control Panel



REFERENCES

Facet OWS installations in Offshore Wind Farm Substations:

- Amrumbank (North Sea - Germany)
- Wikinger (Baltic Sea - Germany)
- Dudgeon (North Sea - UK)
- Hornsea I (North Sea - UK)
- East Anglia I (North Sea - UK)
- MOG (North Sea - Belgium)
- HKZ Alpha & Beta (North Sea - NL)
- Hornsea II (North Sea - UK)
- Changhua I (Taiwan)
- Changhua II (Taiwan)
- Gode Wind III (North Sea - Germany)
- Revolution Wind 1 (North Atlantic - USA)

ADDITIONAL FACET SOLUTIONS FOR OFFSHORE SUBSTATIONS (OSS)

Diesel Fuel Filters and Diesel Fuel Transfer/Filter Skids

Leveraging Facet's vast marine fuel treatment expertise, our Diesel Filter Transfer Skid Packages, in 'standard' and 'tailor-made' configurations, efficiently separate water and eliminate solids from fuels, curbing microbiological activity.

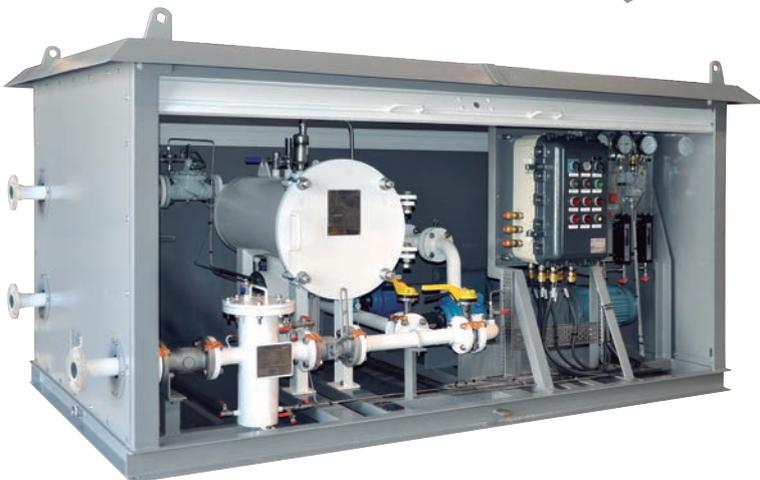
Originally designed for gas turbines, these packages seamlessly extend to internal combustion engines. The smaller "MV type" systems, for inland vessels, barges and dredging vessels also feature this technology, installed successfully in Offshore Substations for emergency diesel generators.

Positioned between the storage and daily service tanks, our systems ensure seamless fuel transfer, maintaining consistent levels. Optionally controlled by sensors, microfilter, and two-stage filter/separator, the skid's functionality is enhanced by an integrated automatic water drain and alarm system.

With optional monitoring, unmanned operation, and flexible manufacturing in stainless or carbon steel —latter with a marine-rated coating— Facet provides precise, innovative offshore solutions.

REFERENCES

- Amrumbank (North Sea - Germany)
- Godewind (North Sea - Germany)
- Gemini (North Sea - NL)
- Burbobank (Irish Sea - UK)
- Racebank (North Sea - UK)
- Walney (Irish Sea - UK)
- Dolwin5 (North Sea - Germany)



Refueling Systems

Facet's proven refueling systems are compact, packaged solutions, designed for the supply of clean, dry fuel to helicopters on offshore platforms.

Compact & Efficient: Minimal footprint, maximum performance.

Ready-to-Use: Swift integration, reduced installation time.

Tailored Precision: Customized to meet the most stringent needs.

Proven Performance: Reliability in demanding offshore environments.



Scan QR Code to find our locations



facet@facetfiltration.com
www.facetfiltration.com