

Cape Media Release

Cape Environmental Services awarded 5-year contract for on-line vessel and pipework cleaning

Online vessel cleaning

At Cape Environmental Services Offshore, online sand removal technology is enabling operating companies to continue production by removing sand from the separation process without the need for platform shutdowns.

When oil or gas is produced from relatively weak reservoir rocks, small particles and sand grains are displaced and enter the fluid flow. Up to several tonnes of sand per day can accumulate in production separator vessels and production process pipelines. This sand can damage valves, pipelines, pumps and separator vessels and reduce the capacity of the separator to process oil, gas and water.

Traditionally, to restore production, wells are shut-in to allow the separation vessels to be opened and the sand manually removed; a costly and time-consuming process. Cape's drive to provide innovative, value-driven solutions for our customers led to the development of pioneering technology that can remove sand while a customer's production facility remains online, which:

- Avoids costly and time-consuming shutdowns
- Eliminates risks associated with man-entry vessel cleaning
- Allows uninterrupted production of revenue-generating hydrocarbons.

Cape ESO Online Vessel Sand Removal Syphonvac System

Syphonvac is configured from two systems: a high flow vacuum; and a low-pressure water jetting system. These connect to the vessel discharge point via a common manifold. This allows water to be injected into the vessel via a low-pressure jetting hose, to fluidise formation sand, while allowing the sand to discharge from the vessel under its own pressure. The Cape offshore-certified units are modular and compact, taking up a minimal deck footprint.

The material flowing into the Syphonvac is dispensed into an airflow created by Cape's Sludgevac airflow system, which in turn is deposited into collection skips for onward disposal either onshore, or via a platform-based sand cleaning system, such as the Cape Equinox system.

See how Syphonvac works here - <https://vimeo.com/237924325>

In 40 years of operation Cape has developed a reputation for pioneering and integrating a wide range of safe, environmentally sound industrial cleaning techniques. Our highly-skilled employees have successfully deployed this technology for many major North Sea operators and in July, Cape Specialist Services announced a five-year contract award for the provision of online vessel and pipework cleaning with Maersk Oil North Sea UK Ltd. covering all Maersk Oil UKCS offshore installations.

Our industrial cleaning service offering includes high pressure water jetting, high airflow vacuum services and chemical decontamination processes, which we complement with extensive integrated waste management services and on-site waste handling and minimisation capabilities. We provide these services to a wide range of customers principally

in the oil and gas, petrochemical, heavy industry, manufacturing and pharmaceutical markets.

Find out more about how Cape helps keep its customers assets operational and safe at www.capeplc.com

To speak to somebody about these processes, get in touch with John.Trent@capeplc.com

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Note to editors

Cape is an international leader in the provision of critical industrial services principally to the energy and natural resources sectors. Our multi-disciplinary service offering includes access, insulation, engineering and specialist coatings and fireproofing, environmental services, heat exchanger replacement and refurbishment, storage tanks and refractory

Contact

Benjamin Crawford
Communications Manager
Cape Industrial Services
07801 320 230
Benjamin.Crawford@capeplc.com
www.capeplc.com