



PRODUCTS & SERVICES

Offshore

Onshore



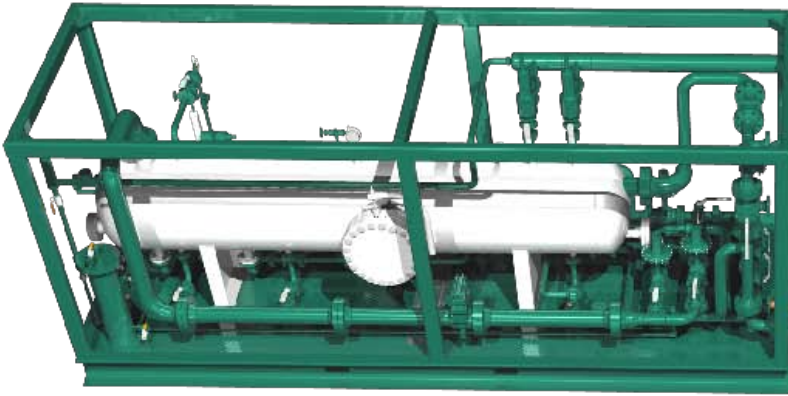
CETCO
OILFIELD
SERVICES



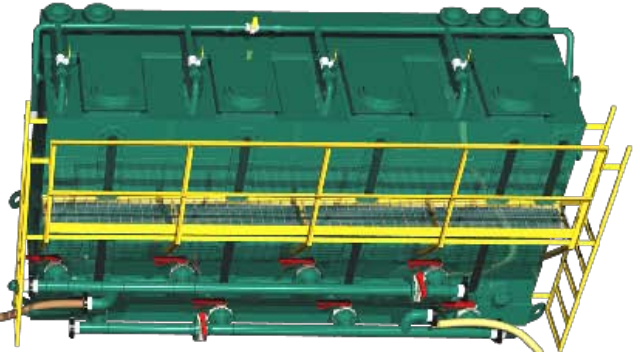
Land, Marine, Deepwater, Subsea

Typical Process Flow Equipment Layout

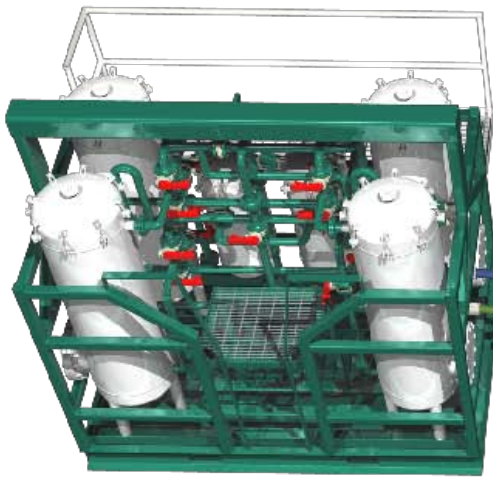
HP Separator



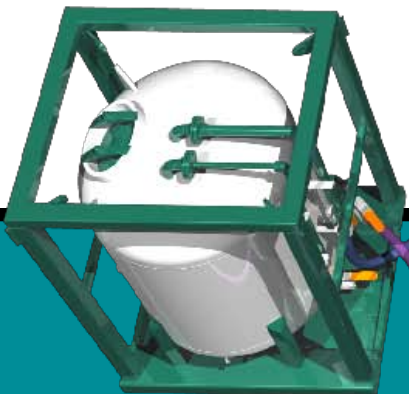
Weirbox



Pump Unit



RFV 2000



OS-72
Bulk Media Vessel

NEMOH™ (Nomadic Environmental Media Operated Host), is a novel, patent pending treatment vessel developed by CETCO Oilfield Services for processing and retaining fluid in a subsea environment. It is remotely operated and can operate at depths over 6,000 ft.



Global Solutions Provider

CETCO Oilfield Services has a solid reputation within the oil and gas industry for its dependable service and continuing technological innovation. We offer an array of patented technologies, products and services for all phases of oilfield production.

With customers all over the world, our unique services and solutions bring value and increased profitability to our clients by avoiding shutdowns while ensuring compliance. Our capabilities extend to the areas of exploration, development, production, pipeline transportation, storage and refining.

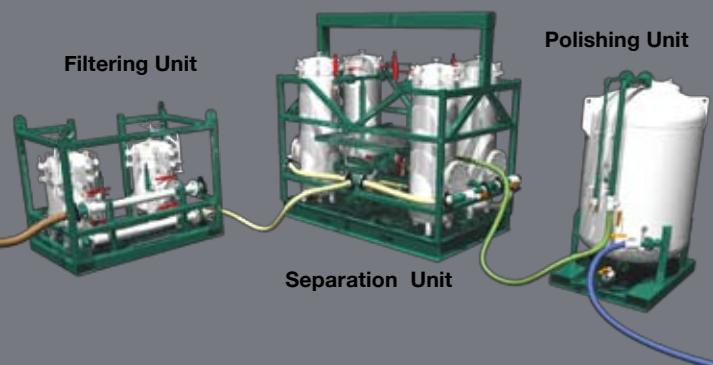
Water Treatment Services

CETCO has various patented technologies that were specifically developed for the efficient removal of hydrocarbons, solids, toxic materials and other contaminants from oilfield wastewater streams produced during oil and gas operations, transportation, and storage. Our CrudeSorb®, CrudeSep®, and Hi-Flow® effectively treat wastewaters and produced water on-site. Our novel NEMOH™ technology is an effective and economical solution for water treatment at subsea levels.

Water Treatment Applications

- Produced Water Treatment and Polishing
- Well Stimulations and Acid Flow Backs
- Pipeline Maintenance
- Decommissioning Wastewaters
- Initial Well Flow Backs/Completions
- Workover Fluids and Coiled Tubing Jobs
- Brine Filtration and Recycling
- Heating/Cooling Medium Treatment
- Deck Drainage
- Methanol Filtration
- Solids Removal

Typical Hi-Flow® Equipment Layout



WATER TREATMENT



Pipeline Services

CETCO's Pipeline Services Division offers turnkey solutions for both onshore and offshore applications. We can tailor a service package specific to the needs of each project since we have the capability of incorporating gas and liquid filtration, nitrogen pumping services, pipeline cleaning, rental equipment and project management when needed.

Pipeline Applications

- Commissioning, Decommissioning & Abandonment
- Treatment of Pipeline Hydrostatic Testing Fluids
- Water Treatment for Discharge
- On-Line or Off-Line Pipeline Chemical or Mechanical Cleaning
- Terminals and Tank Farms Cleanup
- Stand Alone Separation and Filtration for Liquid and Gas



PIPELINE

Onshore. Offshore.



Well Testing Services

We provide safe and dependable well testing, well intervention, and well control services. Our capabilities allow us to handle jobs ranging from onshore to deepwater; in wells with high pressure, high flow rates and solids; and complex jobs requiring other services such as water treatment or pipeline services.

Onshore/Offshore Applications

- Well Intervention/Cleanup and Flow Backs
- Temporary Production Facilities
- Surface Sampling
- Fluid Transfer to Filtration System, Barge or Specialized Vessel
- Produced Fluid Maintenance
- HP/HT Capabilities
- Blowouts/Well Control
- On-Site Data Reports

WELL TESTING



Nitrogen Services

Servicing the the oil and gas, pipeline, shipping, petrochemical and refining industries as well as the downstream market, CETCO's Nitrogen Services Division offers a large inventory of pumping units, storage tanks, and nitrogen transporters which are all maintained in-house. Our pumping units are capable of handling up to 1 MMscf per hour, and we also offer space-saving and skid mounted equipment designs. Our nitrogen equipment features our heat recovery system, offering reduced emissions and fuel savings.

Applications

- Acidizing
- Blanketing
- Cleaning
- Cool Down & Heat Up of Process Equipment
- Dewatering
- Drying of Process Equipment
- Drill Stem Testing
- Fracturing
- Inerting
- Jetting
- Perforating
- Pressure Testing
- Product Displacement
- Project Consulting
- Purging of Tanks & Process Equipment
- Stable Foam
- Well Displacement
- Catalyst Regeneration
- Line Freezing
- Pipeline Applications

NITROGEN



Upstream

Nitrogen service offers oil and gas companies the ability to sustain safe and productive work environments during exploration, recovery and production of crude oil and natural gas. As a non-reactive, non-flammable gas, nitrogen allows us to safely purge dangerous, explosive vapors and corrosive elements from surface production/processing equipment as well as displacing wells. Nitrogen, which makes up 78% of the air we breathe, effectively clears pipelines and other enclosures of unsafe conditions by flushing the atmosphere with an intricate pump system; converting Liquid Nitrogen into its gaseous state under pressure. This time-tested process helps ensure maintenance standards, maximizes worker safety and enhances well productivity.

Midstream

Nitrogen capabilities effectively remove unwanted obstacles during the processing, storing, marketing and transporting of crude oil, natural gas, liquefied natural gas (LNG) and other products. As one of the driest elements on earth, nitrogen allows us to blanket products during transport on ships and barges to reduce moisture, oxygen and explosive levels,

preventing evaporation and monetary loss. When teamed with CETCO Pipeline Services, we effectively push the industry's intelligent pigs at controlled and stable speeds. While pigging on-and-offshore pipelines, our state-of-the-art nitrogen processes eliminate potential hazards and keep the lines moving. Most importantly, every job is managed by a team of our expert technicians, trained and qualified in Veriforce, NCCER, OQSG and DCP.

Downstream

CETCO's nitrogen sector enables oil refineries, petrochemical plants, petroleum retail outlets and natural gas distribution companies to safely bring thousands of vital products to market. Our specialized procedures utilize hot or cold nitrogen to purge, degass, cool or heat the process equipment for refineries and chemical plants before and during maintenance or repairs, ensuring maximum efficiency. This crucial process also helps regulate temperature and eliminates elements that can be extremely hazardous to final preparation. As a non-reactive, nonflammable gas, nitrogen allows us to create a safer, more efficient atmosphere for everyone and guarantees peace of mind from start to finish.



COILED TUBING



Coiled Tubing

Offering a comprehensive range of coiled tubing services and equipment for routine maintenance, remediation, setting tools, obtaining data, or specialty applications, CETCO's Coiled Tubing Division is ready for any job, on land or offshore. We are capable of handling even the most challenging jobs—including horizontal clean outs and wells with surface pressures up to 13,000 psi.

Applications

- Well Cleanouts
- Jetting
- Cementing
- Acidizing
- Gravel Packing
- Memory Logging
- Fishing Applications
- Setting Downhole Tools
- Milling and Under-Reaming
- Velocity/Siphon Strings
- Pipeline Cleanouts/Decommissioning
- Deepwater Applications
- 15K High Pressure Applications
- Fluid Displacement
- N₂ Displacement

clay-based flocculants are easy to use for the removal of emulsified oils, heavy metals and suspended solids from wastewater



Industrial Wastewater Treatment Products

The leader in bentonite clay-based flocculant technology, CETCO's chemical flocculants are capable of removing oil and grease, heavy metals, and suspended solids from industrial wastewater while being a cost-effective solution for on-site treatment of wastewater streams. We are capable of treating various types of wastewater by utilizing one or more of our treatment products in our vast product offering— bentonite clay-based flocculants, liquid coagulants and flocculants, organophillic clay media, and stabilization and solidification agents.

Applications - We can treat wastewater from the following manufacturing/ processing activities:

- Adhesives
- Ceramic Slurry Treatment
- Circuit Board Manufacturing
- Coolants
- Die-Casting
- Dye Penetrants
- Fats, Oil & Grease Removal - Including Waste Machine Oil Coolant
- Filter Press Systems
- Floor Scrubber/Mop Water
- Food Processing
- Heavy Metals Removal from Wastewater
- Metal Finishing
- Municipal
- Paints, Inks & Dyes
- Parts Washing
- Printing
- Reuse of Corrugators Water for Starch Makeup
- Sludge Thickening and Conditioning - DAF (Dissolved Air Flotation)
- Steam Cleaning
- Steel Production
- Tank Washing
- Vacuum Drum System
- Vibratory De-Burring

WASTEWATER

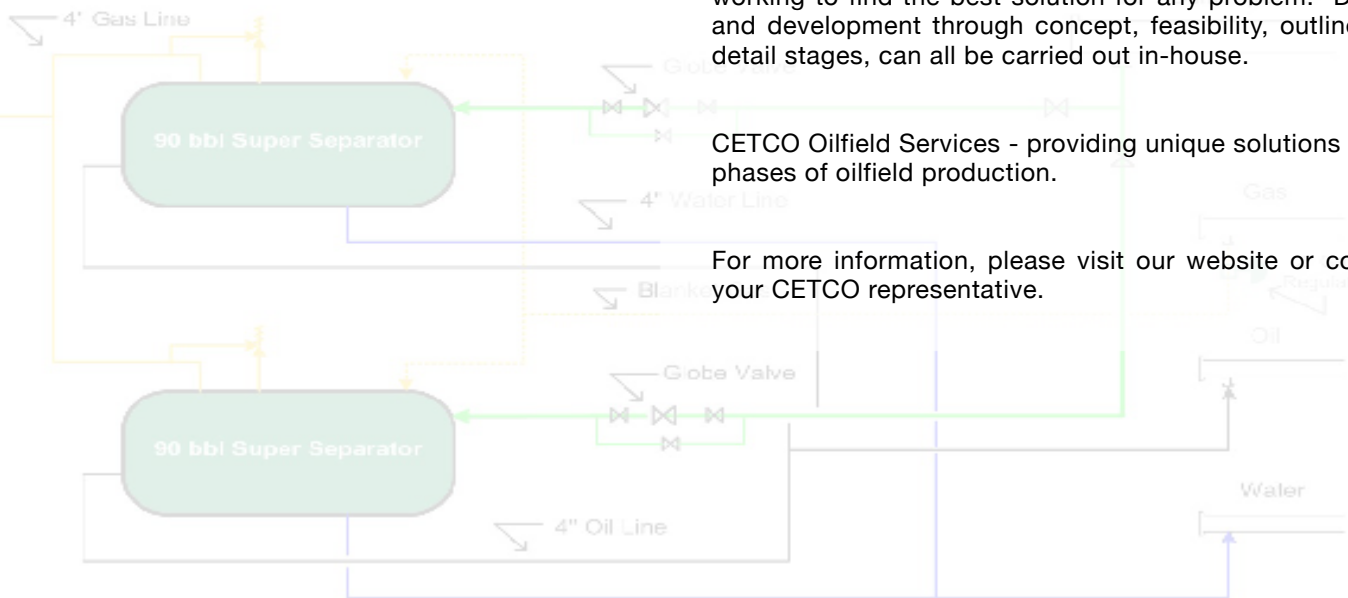


Tailor-Made Solutions

The increased demand for tailor-made oilfield solutions led CETCO to create its own fully functional Engineering and R&D departments including an extensively equipped laboratory. CETCO has fully qualified Process Engineers, Control & Instrument Engineers, Mechanical Engineers, Project Engineers, CAD Personnel and a team of scientists working to find the best solution for any problem. Design and development through concept, feasibility, outline and detail stages, can all be carried out in-house.

CETCO Oilfield Services - providing unique solutions for all phases of oilfield production.

For more information, please visit our website or contact your CETCO representative.



WATER TREATMENT | PIPELINE | WELL TESTING | WASTEWATER | NITROGEN | COILED TUBING



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