

SAKNAFTA

Petroleum Services Company

SAKNAFTA



SakNafta was incorporated in 2007 under the Law of the Arab Republic of Egypt as Service Petroleum Company provides a multiple services to the oil and gas industry. SAKNAFTA has a strong presence in Egypt, UAE, Libya and Saudi Arabia with entities of SAKNAFTA Egypt, SAKNAFTA Overseas, and SAKNAFTA Saudi respectively

SakNafta - Pipeline and Process Services are engineering an integrated technical solutions from pre-com to de-com to maximize efficiency and integrity of our customers' assets.



Vision is to position SakNafta on the top of Oil & Gas market by providing industrial sectors with all needs of products, services and smart solutions with safe and professional techniques to meet customer satisfactions.

Mission is to enable economic growth through infrastructure and energy development. Providing smart solutions that support our valued customers to solve problems and protect assets of surrounding risks. We are passionate of achieving services with quality that exceed expectations.

Values

Safety – Safety first

Quality and excellence – achievement of high standards in everything we do

Integrity – Do the right thing

Fulfillment – Develop our talents and enjoy our works

Teamwork – Communicate openly and respect each other

Profitability – Make wise decisions and help grow the business

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Our Competitive Edges

OVER 20 YEARS
OPERATING
EXPERIENCE IN
OIL&GAS



AND



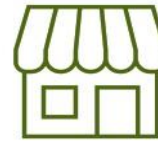
REFINERIES PROJECTS



CONTAINED COSTS



FAST MOB/DEMOB
AND EXECUTION



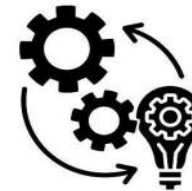
WIDE SERVICES
PORTFOLIO



HIGH PERFORMANCE



PROBLEM SOLVING
ATTITUDE



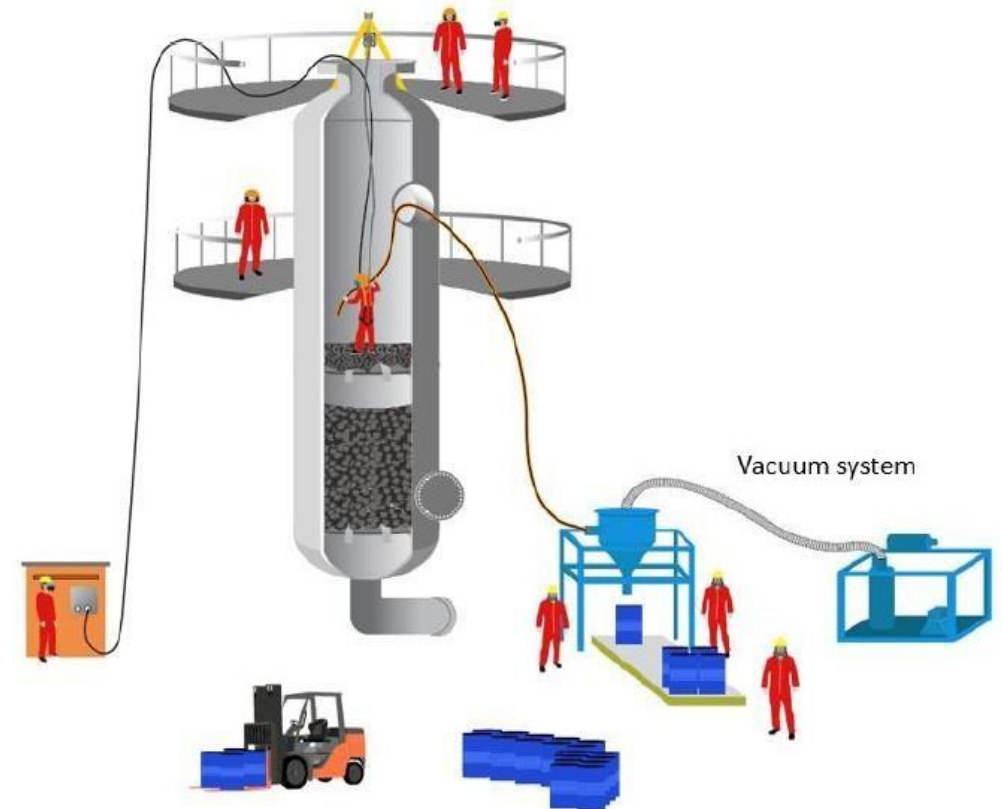
CUSTOMIZED & PROACTIVE
APPROACH TO CLIENTS NEED

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Services Portfolio of Catalyst Services

SakNafta utilizes its fleet of catalyst service equipment to ensure the complete integrity of process assets. Additionally, SakNafta has an agency agreement with Petroval, which supports the provision of advanced catalyst loading technologies.

Take catalyst segregation. It's the main reason for uneven flow distribution in a reactor, and it leads almost invariably to suboptimal performance. Our Catalyst Loading service can help prevent segregation, and make sure your loading proceeds smoothly.



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PPS Capabilities – Catalyst Services

What We Do

A world-wide recognition in safety and quality driven catalyst handling services makes a reliable and experienced service partner. Due to our global expertise, we are able to offer a wide range of services during plant shutdowns and unit revamps, including;

- Loading and unloading of fixed bed reactors
- Loading and unloading of tubular reactors
- Working under nitrogen conditions
- Vacuum unloading
- Sock loading
- Sieve Screening
- Dense loading & Uni-Dense Loading Petroval
- Reactor revamps
- Mechanical work and maintenance

PPS Capabilities – Catalyst Services

Loading and Unloading Operations

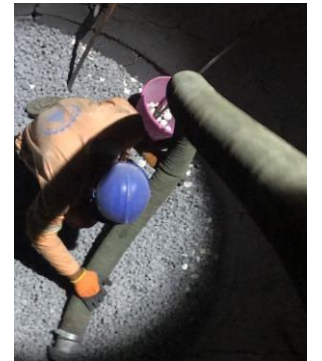
Preparation involves transferring catalyst from original packaging to an intermediate hopper for loading into or unloading from the reactor.

Catalyst Unloading

Before catalyst removal, the reactor must be isolated and purged. Spent catalyst is collected in suitable packaging, with regular sampling. Two main unloading methods are used:

- **Vacuum unloading:** Vacuum Unloading: A vacuum transfers spent catalyst, minimizing exposure and managing dust, though it may cause some attrition.
- **Gravity unloading:** Utilizes a nozzle at the reactor's bottom for discharge, requiring constant monitoring for even unloading. This method often leaves some catalyst behind, necessitating additional vacuuming or shoveling for complete extraction.

Vacuum Unloading



Gravity Unloading



PPS Capabilities – Catalyst Services

Preparation for Loading

Before loading, inspect the reactor, support grids, and ancillary equipment to ensure they are clean and dry.

- **Loading Operations:** Involve discharging catalyst from ground level or transferring it to the reactor's top, using dense or sock loading methods for distribution. Pre-bagging facilitates easier management.
- **Top Mounted:** A loading hopper allows big bags to be transferred to the reactor's top for discharge into the loading system



PPS Capabilities – Catalyst Services

SakNafta is the exclusive agent for Petroval in Egypt



Is the leading and reference company in the fields of catalyst and reactor management services ,FRANCE.

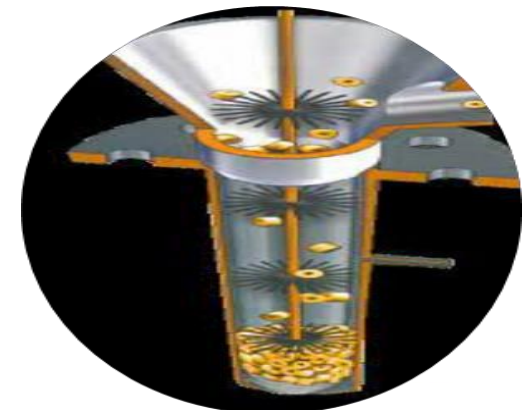
DENSICAT (Dense Loading)

The leading dense loading technology. Due to the specific loading distribution of catalyst, the DENSICAT® machine loads instantaneously 100% of the reactor surface with high loading rate (27 t/h).

UNIDENSE

The UNIDENSE™ technology is a catalyst loading method for primary reformer tubes, which is less complex and faster than the traditional “pre-socked” loading method.

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PPS Capabilities – Catalyst Services

Vibrating Sieving Machine



Year of manufacture: 2022



Year of manufacture: 2023



Year of manufacture: 2007



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Services Portfolio and Capabilities

Pipeline Pre-Comm, Comm and De-Commissioning

- Pipeline flooding, gauging and cleaning
- Hydrostatic testing
- Leak testing
- Dewatering
- Air, Nitrogen and vacuum drying
- Methanol and glycol swabbing
- Nitrogen packing
- Catalyst Services

Pipeline Cleaning and Flow Assurance

- Routine and progressive pigging
- Mechanical pigging
- Oil De-Cruding
- Flushing
- Mothballing / Preservation
- Scale, wax and black powder removal
- Pre-inspection cleaning (for ILI)
- Hydrocarbon decontamination



Services Portfolio and Capabilities

Process Pre-Comm, Comm and De-Commissioning

- Drop and high-speed flushing
- Air and steam blowing
- Retro-Jetting
- Hydrostatic testing
- Chemical cleaning
- Internal camera inspection
- Lube oil flushing
- Flange management
- Bolt torque and tensioning
- Oxygen reduction purging
- Nitrogen drying
- Gross air testing
- Ultrasonic testing
- N2 and He leak testing
- E&I Systems
- Rotating Equipment

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Services Portfolio and Capabilities

Plant Shutdown and Maintenance

- Nitrogen purging and inserting
- Retro-Jetting
- Flange management
- Pressure washing
- Chemical cleaning
- Neutralization
- Passivation
- Chemical Boil out
- Lube oil flushing
- Bolt torque and tensioning
- N2 and He leak testing
- Tank Cleaning
- Water flushing

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Services Portfolio and Capabilities

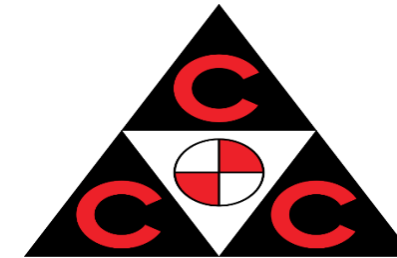
Equipment Rental

- 180K Nitrogen Pumping Unit
- Nitrogen Tanks (2000 to 5000 US Gal)
- Pumps of various flow and pressure rates
- Auxiliary boilers
- Temporary tanks for water and disposal
- Filters for oil and water flushing
- Oil flushing skids
- Silencers and valves for steam and air blowing
- Target inserters steam blowing
- HP Chemical Injection Pumps
- Air Driven Pressurizing Pumps
- Hydraulic Torque equipment package
- Hydraulic Tensioner equipment package
- Manual and Hydraulic Bolting Tools
- Flange Facing Machines
- HP Water Jetting Pumping Unit



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Our Main Clients



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For more information about how SakNafta Pipeline and Process Services can help make your projects more cost effective, contact SakNafta representative or email Info@saknafta.com

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