MAYFIELD
Exploration and Production Services Limited



COMPANY PROFILE

- Drilling and Production Chemicals
- Rig & Drilling Equipment
- Oil Spill Solutions
- Fishing and Wellbore Cleaning Services
- Engineering and Procurement Services
- Upstream Development Consultancy
- HSE Equipment & Personal Protective Equipment



ABOUT US

Mayfield E&P Services is a wholly indigenous Oil and Gas Service Company registered (RC1394723) and based in Nigeria.

The company provides quality, innovative, cost effective solutions in the Exploration and Production of Hydrocarbons in Nigeria and West Africa.

Our focus as a company is to provide world class services with a strong emphasis on customer satisfaction while adhering to best practices and industry standards.

As a company wee provide the following services:

- Drilling and Production Chemicals
- Rig & Drilling Equipment
- Oil Spill Solutions
- Fishing and Wellbore Cleaning Services
- Engineering and Procurement Services
- Upstream Development Consultancy
- HSE Equipment & Personal Protective Equipment

Mayfield, delivers value to our clients by providing cost effective engineering solutions and Oilfield technologies in support of exploration and production activities onshore/offshore Nigeria.



OUR VISION

Our vision is to become a preferred indigenous Energy and Process services company known for the provision of innovative and cost effective engineering solutions.

OUR MISSION

Our mission is to provide top quality engineering services for our clients without compromising, safety, and industry standards.

CORE VALUES

- Professionalism
- Safety
- Quality
- Integrity
- Teamwork
- Commitment
- Innovation
- Leadership





DRILLING AND PRODUCTION CHEMICALS

At Mayfield E&P Services, specializes in developing solutions to meet our clients requirements. We supply quality and premium chemicals for optimal performance which exceed our clients expectations.

- Water Based Mud Chemicals
- Oil Based Mud Chemicals
- Production Chemicals
- Viscosifiers
- Thinners and Dispersants
- Foamers & Defoamers
- Thread Dope Compound
- Lubricants
- Corrosion & Scale Inhibitors
- Scale Dissolvers
- Brine
- Base Oil

RIG & DRILLING EQUIPMENT

At Mayfield E&P Services, specializes in developing solutions to meet our clients requirements. We are excellently positioned to supply high quality drilling tools and oil steels, with a close attention to customer's drilling schedules

- Drill Collars (Slick and Spiral)
- Heavy Weight Drill Pipes (Integral, Friction Welded and Spiral)
- Drill Pipes
- Stabilizer forgings
- Milled Blades Stabilizers
- Hole Openers
- Rotary Reamers Forgings
- Rotary Subs
- Lift Subs
- Lift Plugs
- Integral Square and Hexagonal Kellys
- Non-Magnetic Products (Drill Collars, Flex and Pony Collars, Stabilizers and Subs)
- Provision Of Downhole Tools
- Drillbits
- Casing , Drillpipe & Tubulars
- Drillpipe Elevators / Slips
- Safety Clamps
- Valves, Gaskets, Pumps
- Accumulators
- Sand Control Screens
- Centralizers



DRILLING SERVICES

- Casing Recovery Systems for Cut & Pull Operations
- Whipstocks for Sidetracking
- Work over Slot Recovery
- Well Abandonment
- Fishing Services



Oil steels (AISI 4145H Mod. API 7-1, AISI 4130 API 6 A, AISI 4140 - L80 API Spec. 6A / API Spec. 5CT and NACE MR 0175, AISI 4330 V Mod. ASTM A29

ABSOLUTE SPILL SOLUTIONS

We offer a unique product with an effective and ecologically sustainable absorbent for oils, fuels and chemicals.



ABOLUTE ORGANIC

OILEX is a hydrophobic biogenic sediment - 100% natural fiber without any additives

OILEX is non-toxic for humans and the Environment

• OILEX is completely biodegradable

• OILEX does not contaminate soil or (ground-) water

ABSOLUTE EFFICIENCY

OILEX absorbs leaked substances completely within seconds

• OILEX can be collected easily

• OILEX is universally applicable: An absorbent for all oils, fuels and a wide range of chemicals

• OILEX works on all surfaces

• OILEX can be disposed of cost efficiently due to its low weight

• Oilex can be thermally recycled

SURF CLEANER

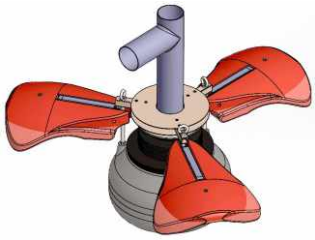
For Continuous Separation & Recovery of Oil from Water

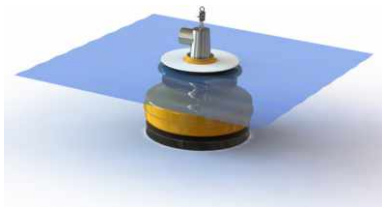
Unique Clean Water Technology for a Sustainable Future

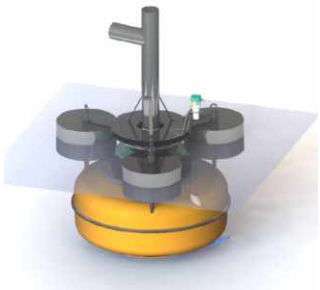
SCO1000, SCO4000, SCW 6000, SCO8000











100% REMOVAL HYBRID OIL SKIMMER SEPARATOR

- 100% Separation and recovery of oil, diesel, petrol, plastics, sludge, debris, and more.
- Suitable for Industrial oil spill, Marine oil spill, Wastewater treatment, Ocean debris and plastics
- Automatic removal and separation of oil from wastewater with 100% oil separation capability
- Recovers 100% of the oil with a water content of < 0.5%
- Reduces VOC emissions

EFFICIENT AND COST-EFFECTIVE

- Puts the forces of nature to work.
- Requires no pump, no powerpack, no hydraulics, and no pneumatics.
- Continuous, automatic operation 24/7, over long periods of time, with minimal maintenance needs
- Two models
- SCO8000 Capacity to collect and separate 8,000 liters of oil per hour
- SCO1000 Capacity to collect and separate 1,000 liters of oil per hour
- Energy and cost-efficient operation with low maintenance, enabling substantial cost savings

OIL SPILL & RECOVERY

Our oil skimmer is advanced yet ingeniously simple.

100% Oil Removal
100% Oil/Water Separation
100% Oil Recovery



24/7 Remote Monitoring & Detection Systems for Oil Leaks and Spills

Mitigate risk, reduce costs associated with potential spills, and protect the environment.

Slick Sleuth is a sensor and alarm system used to remotely alert users to the presence or accumulation of oil. It provides instant detection and notification enabling users to contain oil spills to avoid environmental damage, costly clean up and regulatory fines associated with oil spills.

The optical sensors can detect small micron level amounts of oil in real time and can be configured to automatically shut off pumps or valves and activate both visual & audio alarms to notify personnel and responders via electronic communication.

Slick Sleuth is used in a wide variety of industrial and environmental applications for real-time detection of oil leaks and spills on fresh, brackish, or saltwater, as well as ground and normally-dry surfaces.

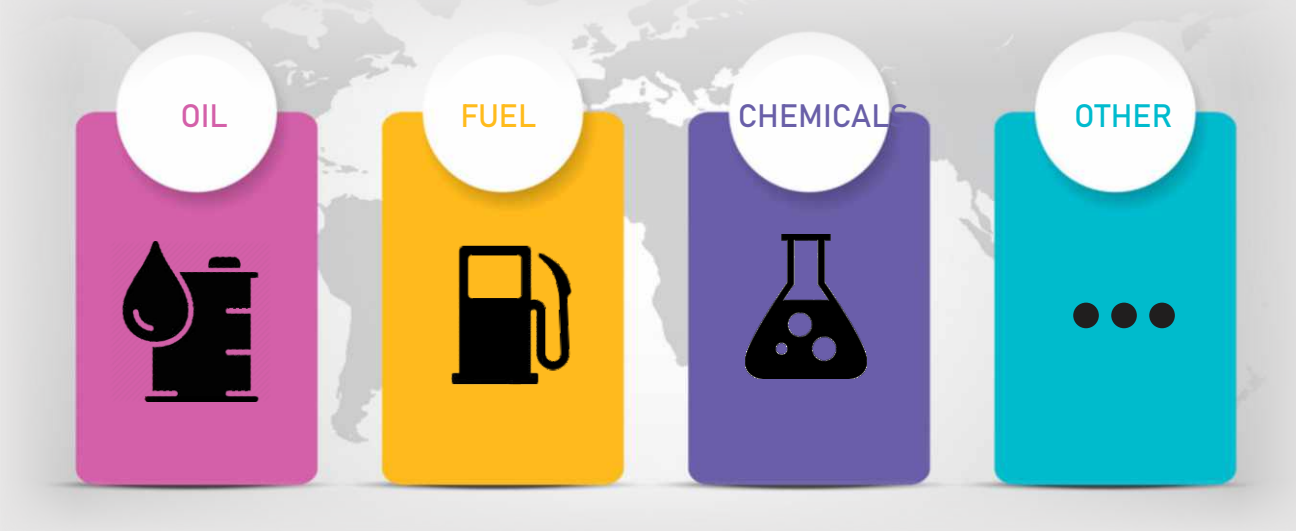
24/7 Monitoring & Detection Systems can be used for a wide range of applications such as:

- ➔ Fuel Depots & Airports
- ➔ Storage Terminals
- ➔ Refineries & Midstream
- ➔ Power Generation Industry
- ➔ Marine Terminals and Piers
- ➔ Offshore & Loading Buoys
- ➔ Separators, Drains, Sewers, Sumps, Discharges, and Outfalls
- ➔ We provide a range of sensor models suited to specific applications and requirements for oil spill and leak detection.

Full range of oil spill monitoring and detection solutions

- Optical, non-contact, oil-on-water sensor technology detection system
- Detection Range up to 1m (minimum) and 10m (typical) above surface
- For deployment in rugged industrial and marine environments
- Provides continuous, remote, real-time monitoring and alerts
- Fully integrated system that includes remote sensing, wireless communication.
- 4-20 analog and alarm ready outputs for interface with industrial PLC and facility DCS
- Certified for installation in Zone 1 / Class 1 Div 1 locations
- Real-time alerts which enables automated containment in remote locations for 24/7/365 protection

WHATEVER YOU SPILL



WHEREVER YOU SPILL

WATER



ROADS



LAND





100% ABSORPTION
100% ORGANIC
100% NON TOXIC

We offer a unique product with an effective and ecologically sustainable absorbent for oils, fuels and chemicals.

AREAS OF APPLICATION

The Federal Ministry for the Environment, Nature Conservation and Nuclear Safety distinguishes all absorbents according to the following areas of application:

Type I: Special suitability for use on water

Type II: For general use on land and smaller bodies of water

Type III: Commercial and Industrial

APPLICATIONS

Additional classification "R": For oil absorbents that sufficiently restore grip on roads and other traffic areas after treatment (especially effective on wet surfaces).

OILEX is certified for Types I, II, III and R.
One product for all applications.

PERFORMANCE

- OILEX has a near 100% absorption rate (Oils, Fuel, Chemicals, etc)
- OILEX can absorb up to 5-8 times its own weight
- OILEX can be reused several times until it is completely saturated
- With only 110 - 120 g/liter, OILEX is extremely lightweight, easy to handle and cost-efficient to transport
- OILEX encapsulates absorbed substances and holds them even under pressure
- OILEX is buoyant and hydrophobic
- OILEX is even more effective when applied on wet surfaces.

The effectiveness of OILEX can vary depending on the substances that have to be absorbed. It may be necessary to manually support the absorption process.



FISHING AND WELLBORE CLEANING TOOLS

- Fishing Magnum Magnet®
- X Wing®
- Modular X Wing®
- String Magnets for Wellbore Cleaning
- Innomag®
- Innomag® HD
- Innomag® CT
- Blow Out Preventer (BOP) Clean Up
- WirlTool®
- Ditch magnets
- Magnetic Mud Filter

Fishing Magnum Magnet®

- Broken Centralisers?
- Broken drill bit?
- Lost drill bit cones?
- Broken fishing grapples?
- Dropped objects: Tong Die, Pipe Wrench.



Fishing Magnum Magnets: These can be run as a Fishing Magnet or to retrieve debris with magnetic properties.

- For drill pipe, coiled tubing & wireline
- Sizes 1 ¼ to 12.1 inch OD
- Lifts up to 2800 Kgs
- Strongest magnet available in the market
- Highest BHT magnet available in the market (160 C)
- Laser focused technology: The magnetic field focused towards the fish ensuring all energy used to catch the lost object.
- No disturbing magnetic field towards pipe wall.





The FM 128 8,30" Magnum Fishing Magnet®



The FM 116L 5,75" Magnum Fishing Magnet® being used after a milling job after milling



Retrieved 3 casing scraper blades with the 8,30" Magnum Fishing Magnet®



Retrieving drill bit roller cones with FM 128 8,30" Magnum Fishing Magnet®

X Wing® Magnet

The X Wing® magnet is a perfect wireline tool for removal of ferrous debris in the tool run area, or plug setting area.



Benefits:

Magnets on the X Wing® are directed against the pipe wall, to maximize the effect.

The X Wing® is constructed with lots of small magnets, specially designed for Innovar, to make it highly magnetic and stronger than regular magnets.

SR connections matching the magnet size and weight

Modular X Wing® Magnet

The Modular X Wing® gives you the opportunity to run our extraordinary magnet solutions with any other application.



Benefits:

- SR threads for greater versatility.
- Can be used as a part of an application, or part of a clean up assembly.
- The modular design makes it possible to combine as many in sizes you want.
- Compatible with most of Innovar's Magnum fishing magnets.
- Has a greater magnet mass, which makes it stronger and more efficient at catching debris.
- Guide wheels to avoid friction.

The Modular X Wing® comes in sizes: 3.50", 4.[illegible], and 5.71"

The Modular X Wing® Magnet After Perforating Well









Multiple Innomag's can be run sequentially on one string to remove debris in one go reducing need for multiple runs.

Area of Application:

- Prior to running Completions to clean the packer setting area
- Prior to running bridge plug to clean the packer setting area
- When doing a washing or circulation run
- After milling when cleaning up

BOP Cleaning Assembly





Bottom-hole Assembly For BOP Cleaning

WirlTool® combined with Innovar powerful Innomag® string magnets and Fishing Magnum Magnet® to ensure most efficient Blow Out Preventer (BOP) cleanout.



Benefits:

- Minimizes risk of water cutting the BOP sealing elements as opposed to traditional jetting.
- Efficient removal of shavings and debris from BOP and Riser.
- Prevents expensive and time consuming maintenance of the BOP on surface.
- Reduces spill of mud on deck when riser is laid down.
- Reduces risk of BOP problems during operations caused by shavings



MAGNETIC MUD FILTER® – DITCH MAGNET

The Innovar MMF® is designed to remove any steel particles from the fluid system. Better HSE is achieved by not having to extract the ditch magnet from the flowline for cleaning with the use off easily exchangeable filter bags.

MMF®:

- Patented solution (Patent 330972)
- Specially designed for each flowline
- Tailor made 53 MMFs to various rigs around the world
- Quick installation in flow line
- Available also in modular version
- Now available as a modular version



BENEFITS

- Decreases wear of rig as well as surface and downhole equipment.
- Enable accurate measuring and weighting of steel shavings, and thereby casing wear with filter bags.
- Remove steel particles.
- Better HSE with safe and easy cleaning of magnets.
- No heavy lifts when cleaning are required.
- Popular among the rig crew.



NON MAGNETIC TOOL PORTFOLIO

Completion Liner Drift & Cleaning Tool

- **InnoBristle®**

Fishing Tool for Non-Magnetic Material

- **Jet Bailer**

INNOBRISTLE® - COMPLETION LINER DRIFT & CLEANING TOOL

InnoBristle® technology is a superior liner brush for cleaning and drifting ahead of the completion string.



The InnoBristle®:

- Highly effective brush for cleaning and drifting of liner/casing when completion string is being run.
- Designed to have the largest OD of all the components in the completion string.
- Same strength as tubing.
- Self oriented guideshoe to assist getting to depth.
- Can pump through, or blank off.

Area of Application:

1. Prevents the completion string becoming stuck, or the production packer pre-maturely setting.
2. Magnets pick up steel shavings, debris ahead of the completion packer.
3. Brushes clean the pipes before sensitive completion components are run past.
4. Drifts liner/casing during completion run.

SUMMARY

1. Fishing with magnets is highly successful and reduce risk and cost compared to milling.
2. Removing wellbore debris regularly reduces risk of failure during completions.
3. Innovar is a leading provider of fishing and wellbore cleaning tools with 18 years of successful operations.

Innovar Solutions provides efficient, powerful, easy to use fishing and wellbore cleaning tools for higher up-time and reduced cost



ENGINEERING SERVICES

"Providing Control and Safety Solutions for complex and critical applications"

Working with international design, engineering and control system manufacturers with an extensive track record in delivering projects and services to both upstream and downstream sectors of the Oil & Gas Industry.

We are able to help both operators and EPCI companies to meet the increasing demand of market pressures whilst keeping assets operational by providing technologically innovative and more cost effective methods for operating assets.

With decades of industry experience, we can support our clients throughout the entire asset lifecycle from concept and FEED studies, detailed design, construction, commissioning, operations & maintenance and Decommissioning.

Our range of services include:

- Process Safety and Control Systems
- Fire & Gas Systems
- Automation Systems
- LV Electrical Systems
- Site Survey
- Obsolescence reviews
- Commmissioning
- Telecom Systems

Engineering & Procurement Services

- Pipeline seals and insulators
- Gaskets
- Valves
- Pumps
- Generators
- Turbines
- Compressors
- Sensors and electronic equipment
- Subsea Connectors
- Digital Control Systems
- Structural / Fatigue Analysis





Upstream Development Consultancy

Independent Well and Reservoir development consultancy

In conjunction with **Axis Well Technology,** we are able to offer our client a comprehensive range of well and subsurface consultancy services from exploration to decommissioning. Delivering World Class Independent & Integrated Consultancy Solutions in Well & Reservoir Development.
Axis Well Technology was founded in 2001 and have since grown to be one of UK's largest independent Energy consultants with over 160 specialist from a range of multidisciplinary Well Operations, Geo Subsurface consultancy across all major disciplines to provide end to end tailored services to meet our clients needs.

We can provide specialists and multidisciplinary team of experts with extensive industry experience with proven high quality delivery

WELL OPERATIONS

- WELL TESTING
- COMPLETIONS
- SUBSEA
- PRODUCTION & COMMISSIONING
- WELL INTEGRITY
- WELL SERVICES
- ABANDONMENT & DECOMMISSIONING
- ICP SERVICES

WELL RESERVOIR STUDIES

- EVALUATION & DUE DILIGENCE
- EXPLORATION & APPRAISAL
- FIELD DEVELOPMENT PLANNING
- WELL & COMPLETIONS DESIGN
- PRODUCTION CHEMISTRY
- FLOW ASSURANCE
- PRODUCTION OPTIMIZATION
- EOR, CCU; UNCONVENTIONALS
- CoP & DECOMMISSIONING



Personal Protective Equipment & Safety Supplies

- Safety & PPE
- Accident & Emergency Disaster Kits
- Respirators
- Defibrillators
- Gas Detectors
- Flame Resistant Clothing
- High Visibility Clothing
- Fire Suppressants
- First Aid Kits
- Spill Containment Kits
- Marine Safety – Buoys, Life Jackets, Life Rafts



AFFILIATES WITH

INNOVAR

OILEX

ACE

Proeon SYSTEMS

SURF CLEANER

AXIS

InterOcean Systems



Contact details

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