



ENGINEERING  
SOLUTIONS  
FOR THE  
OIL AND GAS INDUSTRY

**TREXM**

# INTRODUCTION

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**TREXM** is a project delivery company with vast experience in the oil and gas industry, infrastructure, FMCG and power sectors having operations in Nigeria and the U.S.A

**TREXM** provides leading professional services in Instrumentation, Control & Electrical, Systems Integration and Automation, Metering & Measurement Solutions, Wellhead Solutions and Inspection Technologies.

Our goal is to deliver a timely, cost-effective, innovative and sustainable solutions to the satisfaction of our client's requirements.

To achieve this, **TREXM** has partnered with best-in-class service delivery companies and OEMs which has positioned TREXM as the company of choice to our clients.

We are committed to the Nigerian Local Content Act, and aim to develop and build Nigerian capacities and capabilities with a robust personnel training program.





# CORPORATE SUMMARY

## CORE SERVICE AREAS

- ❖ Instrumentation, Control & Electrical
- ❖ Systems Integration and Automation
- ❖ Metering & Measurement Solutions
- ❖ Wellhead Solutions
- ❖ Inspection Technologies
- ❖ Operations & Maintenance

## CAPABILITIES:

- ❖ Turnkey Instrumentation, Control and Electrical Projects
- ❖ Full-Package Engineering Services Including: Design, Modelling and Analysis
- ❖ Procurement, Construction, Installation and Commissioning Services
- ❖ Wellhead Systems (Surface and Subsea Controls)
- ❖ Full Suite of Inspection Technology Solutions: Cathodic Protection, Facility Integrity Testing etc

## OPERATIONS & MAINTENANCE (PREVENTIVE & REACTIVE) SERVICES, INCLUDING:

- ❖ Calibration and Certification
- ❖ Fire & Gas Systems
- ❖ Plant Maintenance
- ❖ Personnel Training and Manpower Supply

## AREAS OF ACTIVITY

- ❖ Upstream Oil Sector - Production facilities, onshore, Shallow Water, Deepwater.
- ❖ Midstream - Pipelines, Petrochemical Refineries and Processing Plants.
- ❖ Downstream Oil Sector - Tank farms & Terminals.
- ❖ FCMG - Breweries, Food processing, manufacturing etc.
- ❖ Gas Industries - LPG Plants, LNG Plants, CNG Mother & Daughter Stations etc.





The background features a low-angle shot of industrial towers and pipes against a clear blue sky. Overlaid on this are green digital data lines and hexagonal patterns, suggesting a high-tech or digital theme. In the foreground, white silhouettes of oil pumpjacks are visible against a white horizon line.

# WHO WE SERVE

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Our Client base consist of companies in Oil & Gas,  
Power, FMCG and Telecoms Industries

# OUR MISSION

To provide top of the range project delivery services using creative solutions driven by professionalism, integrity and tenacity with a keen focus on safety, quality, and cost and operations optimization.



# OUR VISION

To be a world class energy Service Company and our clients global and locally trusted partner.

# OUR VALUES

In conducting our business, **TREXM** is inspired by and committed to upholding the principles of integrity, respect, loyalty, efficiency and transparency.

The dedication and professionalism of our employees reflect our values and are the decisive factor in ensuring **TREXM's** continuing success.







### CLIENTS – WE WILL:

- ◆ Always listen to and proffer solutions to them
- ◆ Tailor our services to their specific requirements
- ◆ Offer effective industrial operation & maintenance solutions
- ◆ Employ state-of-the-art but field-tested technology and leading edge working practices
- ◆ Continuously improve in everything we do
- ◆ Meet or exceed their expectations under optimal cost/benefit conditions
- ◆ Be truthful in all advertising and communications



### EMPLOYEES – WE WILL:

- ◆ Provide a safe and rewarding working environment
- ◆ Ensure equal opportunity
- ◆ Foster an atmosphere of teamwork and mutual respect
- ◆ Motivate, empower and foster creativity and innovation
- ◆ Facilitate and manage local and international career opportunities



### SOCIETY AT LARGE – WE WILL:

- ◆ Strictly apply the highest ethical standards
- ◆ Respect and care for the environment
- ◆ Strive to be a good corporate citizen



# OUR CORE SERVICES



# INSTRUMENTATION, CONTROL & ELECTRICAL SERVICES

**TREXM** specializes in process control optimization via Instrumentation, Control and Electrical services. This is achieved by offering end to end solutions to our clients.

**TREXM** aims to leverage on years of systems integration expertise and experience as well as outstanding OEM relationships to offer turnkey solutions for any instrumentation, control & electrical needs of our clients.

**TREXM** provides a complete end-to-end solution for project and asset lifecycles and positions itself as a market leader in the Africa starting from engineering and design through to manufacturing & assembly including the construction and installation and commissioning & startup services.

## LIST OF SERVICE OFFERINGS ARE

- ❖ Packaged Control Rooms & E-buildings
- ❖ Electrical Switch Gear and MCC Package Supply
- ❖ Instrumentation Package Supply
- ❖ Instrumentation, Control & Electrical Construction Services
- ❖ Control system Engineering & Design Services
- ❖ Electrical System Engineering & Design Service
- ❖ Instrumentation Engineering & Design Services
- ❖ Electrical Startup & Commissioning Services
- ❖ Instrumentation Startup & Commissioning Services





# METERING AND MEASUREMENT SOLUTION

**TREXM** oil and gas services is a specialized engineering contractor for design, construction, pre-commissioning and commissioning of regulatory and field proven innovative solution for custody transfer flow measurement across Africa. While working within client's expectation, TREXM offers full metering solutions with full compliance to the government regulatory and statutory body requirements which meets the latest oil and gas industry standards.

**TREXM** takes up full responsibility of quality and flawless project delivery from the design stage through to the commissioning phase and then handover to client for all custody transfer/fiscal measurement unit.

**TREXM's** full integrated metering solution gives our client peace of mind during their operations by ensuring maximum accuracy during flow measurement and allocation. (other parts related to the drawings on the profile can remain). TREXM offers full metering solutions with full compliance to the government regulatory and statutory body requirements which meets the latest oil and gas industry standards.



**TREXM's** solutions designed for metering, storage and fuel systems help address the unique issues faced by the oil and gas industry. Keeping these applications' exclusive operational needs in mind, TREXM's solutions help deliver reliable and precise solutions customized to the needs of each customer with strict conformance to industry and OEM standards. These solutions include:

- ❖ Flow Metering & Custody Transfer
- ❖ Hydrocarbon Autosampling
- ❖ Tank gauging & Oil Movement
- ❖ Moisture & Gas Analyzing
- ❖ Flare Metering

# SPECIALTY ENGINEERED UNITS

In delivering specialty engineered products as required by our clients, TREXM has direct OEM relationships that cover the entire value chain of the oil and gas operations. Some of the OEMs includes BHGE, Cameron, Honeywell, Yokogawa, Bestolife, etc. TREXM has relationships with the major equipment integrators.

## METERING SKIDS

With the aid of the OEMs we represent, TREXM offers a complete solution for all fiscal metering requirements in Oil & Gas Industry.

At TREXM satisfying our customer is our major aim the reason why we provide full package metering solution to our customers. We design, construct, install, commission, operate and maintain the following

- ❖ Crude Oil Custody Transfer Metering Unit
- ❖ Gas Custody Transfer Metering skid
- ❖ Produced Water Metering Skid
- ❖ Pressure Reduction Metering Station
- ❖ Fiscal Metering Skid
- ❖ Fuel Gas Metering skid e.t.c.

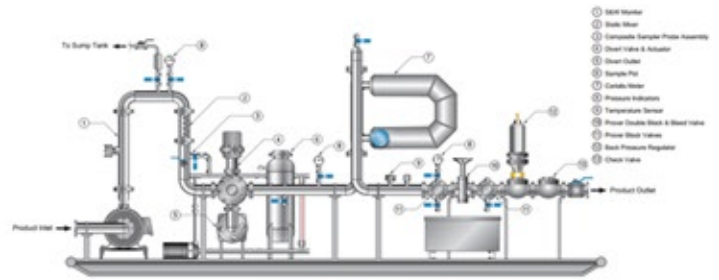


Figure 1. Typical Coriolis LACT skid design courtesy of Angus Measurement Services



**TREXM** offers a quick plug and play solution to ensure minimal disruption to the operations of our customers. Our expertise has clearly distinguished us in the Oil & Gas industry. We deliver complete project solution starting from procurement to construction to commissioning.



# SYSTEMS INTEGRATION AND AUTOMATION



At TREXM, we have the required expertise to handle a wide array of control systems integration project ranging from basic process control system setup, Fire and Gas systems, SIS, safety surveillance system as well as full system integration for facility operation, monitoring and control purposes. Our setup and commissioning procedure ensure minimal downtime in your facilities as well as ensure that the plant efficiency and operational cost is maintained within desired threshold.

**TREXM** provides tailored automation solutions and integration of systems to attain greater operational and process efficiencies.

**TREXM** provides complete services, solutions and automation systems setup which includes:

- ❖ Process Control Systems
- ❖ Distributed Control Systems
- ❖ Safety Instrumented Systems
- ❖ Fire & Gas (F&G) Systems
- ❖ Field Instrument & sensors Simulation
- ❖ Plant Performance Solution.
- ❖ Condition Monitoring Systems (CMS)
- ❖ Power Management Systems
- ❖ Instrument Asset Management Systems (IAMS)
- ❖ Industrial Data Networks Communication Systems & PAGA Systems
- ❖ Security: CCTV, Anti-Intrusion Systems
- ❖ Plant Information Management (PIMS)
- ❖ MES & ERP Integration



# INSPECTION AND TESTING SERVICES

**TREXM** offers quality inspection and testing services to support and optimize clients' operations. TREXM operates across the under-listed service areas:

- ❖ Asset Integrity Audit
- ❖ Assets Integrity Monitoring using Intrusive or Non-Intrusive Methods
- ❖ Equipment Certification
- ❖ Non-Destructive Testing in pipelines
- ❖ Oil and Gas Radiographic Testing



# CATHODIC PROTECTION SYSTEMS

**TREXM** provides full design, service, equipment, materials and personnel for Cathodic Protection systems installation and commissioning. With our robust cathodic protection experience, highly skilled and experienced workforce, we at TREXM have the capability to undertake cathodic protection services using various techniques which includes:

- ❖ Conventional Ground beds
- ❖ Deep Anode Ground beds
- ❖ Distributed Anode Systems
- ❖ Cathodic Protection Test Stations



## CATHODIC PROTECTION DESIGNS:

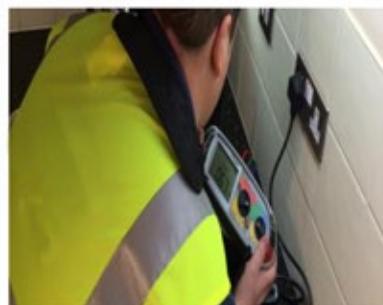
- ❖ Field Surveys.
- ❖ System Specifications and Designs
- ❖ Plans and Detail Drawings

## INTERFERENCE CONTROL SYSTEMS

- ❖ Bond Stations
- ❖ Auxiliary Drainage Systems AC
- ❖ Interference Mitigation DC
- ❖ Interference Mitigation Fault
- ❖ Current Protection

## POWER SUPPLIES

- ❖ Transformer – Rectifiers Solar Power
- ❖ Systems Thermoelectric Generators





# WELLHEAD SOLUTIONS

**TREXM's** Wellhead Solutions cover the entire lifecycle of wellhead systems anywhere in the world from very cold regions to extremely hot regions.

Our solutions cover the entire automation scope of a wellhead from vanilla hydraulic wellhead control panels and skids to technologically advanced solutions for well flow measurements, containerized well pad controls, master control stations, pump-off control, remote well monitoring and lift optimization. State of the art manufacturing process allow us to deliver in the industry's shortest lead times.

## WELL HEAD HOOK-UP SERVICES

- ❖ Hook up, pre-commissioning and commissioning of well head platform
- ❖ ESD and fusible Loop instrumentation
- ❖ Loop test and trip test for well head Instrumentation
- ❖ Instrument hook-up services for well head pneumatic control systems.
- ❖ Instrument hook-up services for Well Head Control Panel (WHCP).

**TREXM** supplies quality Wellhead systems to suit all casing size requirements - to full API specifications. We provide conventional stack-up wellhead systems, full bore and slim hole multi-bowl wellhead systems as well as systems for gas and oil well applications. These surface wellhead systems can be used on or offshore.

With our team of experts, we carry out periodic inspection, function testing, repair and wellhead intervention services for major oil producing companies. Our experiences and expertise in wellhead covers various OEM wellheads, chokes, valves, Mainfolds, BOP's such as Cameron, FMC, Vetco Gray, Aker Kvaerner and Suzhou Douson products.



# OPERATION AND MAINTENANCE SERVICES

Our Operation and Maintenance Division continues to grow our workforce of highly skilled and experienced personnel, having the capacity to undertake projects, providing operation expertise while displaying maintenance capability and skills. Our project experiences have helped us to gain valuable knowledge of systems, improving our learning curve, thereby reducing O&M risks & costs. With TREXM's diverse expertise of control systems and oil & gas application, we also help reduce hassle of managing multiple vendors for any Operation and Maintenance.

## SERVICE AREAS:

- ❖ Asset Support.
- ❖ Production Support.
- ❖ Production Optimization.
- ❖ Operation and maintenance of LACT Unit.
- ❖ Operation and Maintenance of Autosamplers.
- ❖ Facility Survey and troubleshooting
- ❖ On site & Remote O & M Services.
- ❖ Operations & Maintenance Training Solution
- ❖ Resident and On-call O & M Services.

# VENDOR EXPERTISE

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# SELECTED CLIENTS LIST

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# CONTACT US

## LAGOS

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