

ENCAPSULATE
NIGERIA LIMITED



COMPANY
CATALOGUE



CORPORATE OVERVIEW

Encapsulate Nigeria Limited is a Nigerian company, established under the Company Law of the Federal republic of Nigeria, 1999. Our vision is to maximize shareholders' value by enhancing procurement and supply of all form of materials and equipment relating to oil and gas, manufacturing and other sectors of the economy. We are committed to meeting the highest standards of corporate citizenship by protecting the health and safety of our employees, safeguarding the environment and creating a long-lasting, positive impact on the communities in which we do business while providing long-term profitable growth.

We provide competent services in Procurement, Marine logistics and Manpower supply.

We have a strong management team and a global organization, implementing a focused strategy that is positioning Encapsulate Nigeria Limited for long-term financial performance.

OUR SERVICES

Procurement

In Procurement and Supply, we provide consistently high levels of service and a cost-effective solution to our customers' requirements. We use our extensive experience and technical knowledge to carefully select suitable providers from our comprehensive database of worldwide contacts and key suppliers who we know can meet our customers' demands. Our supply chain management expertise which includes sourcing, logistics and contracting, works to ensure the highest standards of ethical conduct are maintained in all our operations. To ensure a high quality standard, materials are sourced directly from the manufacturer or their agents/representatives. Our procurement experience ranges from single to bulk orders and procuring for an entire project /construction process.

Materials supplied include:

- Valves
- Pumps and accessories
- Pipes and pipes fittings: Pipes, Flanges, Gaskets, Joints e.tc
- Fasteners: bolts and nuts.
- Cable management: Cable trays & ladders and accessories
- Chemicals: Paints, Glues and Adhesives,
- Lifting and Handling equipment: crane spares and parts, Ropes
- Safety: Wears, equipment, protective devices, PPE(s).
- Electrical: Cables and accessories.
- Specialised equipment and spare part for various mechanical tools, machinery and devices.

Marine Transport & Logistics

Our Marine Logistics and support services include:

- Supply of Marine Tankers/Cargo Lifting vessels.
- Vessel support activities for Oil drilling installations.
- Chartering of PSV's for offshore platforms.
- Specialized mooring and towing activities.
- Provision of transport and accommodation vessels for offshore personnel.
- Supply, installation and maintenance of marine Navigational/communication equipment.

Manpower

We offer a range of services available for both short-term and long-term contracts, skilled and unskilled jobs to meet the needs of our clients. We meet our client's requirement by serving as a go between the worker and client and ensuring that worker's salaries, pension, insurance and other compensations are paid on time for the duration of the contract. All these are achieved in a flexible, efficient and cost-effective manner. In Manpower supply, Competency, Productivity and Satisfaction are what we aim to achieve.

Our partners

Encapsulate Nigeria Limited is the exclusive distributor/agent in Nigeria of CMTechnologies(Condition Monitoring Technologies) and NIAGARA POWER WASHERS a division of Acme Cleaning Equipment Inc.



Oil test kits

CMT Oil test kits provides your chance to monitor the condition of your oil between laboratory checks. Based on our experience in oil condition monitoring our kits are made to be used by anyone because no training or special knowledge is needed.



Electronic Iron Analysis Kit & Iron Test Vial after FILtration

The main indicator for wear in 2 stroke diesel engines remains iron. Testing cylinder drain oil for iron content and residual base number (BN) is a very commonly applied technique for screening drain oil samples onboard seagoing vessels.



IR Analyser (ATR)

IR spectroscopy is a powerful technique for measuring the concentration of organic molecules. The physical effect of infrared light absorption by molecules contained in the sample is being measured.



Water Test Cell

The new developed Electronic Water in Oil Test Cell does provide highest accuracy on site when testing Water in Oil giving results after a few minutes.

- Prevent corrosion, cavitation or failure of your machinery by detecting water in oil, before any damage occurs.



Electronic BN TestCell

To avoid acid corrosion inside a combustion engine it is essential to maintain a certain alkalinity reserve. Additives (mostly calcium) are added to the oil to neutralize any acid which might build up during the combustion process.



Electronic Heated Viscosity Meter

For a lubrication oil the viscosity is regarded as the oils most important characteristic. The viscosity is the resistance to flow and the strength of the oil film between moving surfaces.

- Measuring the oil viscosity provides an early detection of contamination, fuel ingress and shear thinning.



Compatibility Tester

The Compatibility Tester will quickly identify potential fuel stability problems. It will also rapidly determine if a fuel is compatible with existing fuel stocks.

- Identify possible stability problems before mixing fuels, giving you peace of mind when accepting fuel deliveries.



Density Meter | Density Meter Pro

Density is especially important for ships burning heavy fuel oil since the density can vary a lot.

The density is used to confirm the quantity and grade of fuel delivered.

- Ensure the correct amount and grade of fuel has been delivered to your ship.



Cold Filter Plugging Point / Pour Point

The wax-like solidification of fuel when exposed to low temperatures determines its temperature usability boundary. The relevant indicator for that is the CFPP (Cold Filter Plugging Point). To prevent that the fuel blocks filters due to insufficient cold resistance it is important to know the CFPP.



Cat Fines Test

The simple test is easy to perform and the device is easy to operate. This device can be used for various measurements such as :

- determining the content of catalyst fines after delivery
- evaluation of the effectiveness of the separator
- determining the content of catalyst before the injection.



Electronic Insolubles Test Kit

The CMT Electronic Insoluble Test Meter is a self-contained device to test insolubles and soot in your engine oil. It is suitable for all combustion engine oils regardless of the fuel in use. It contains the latest technology to provide excellent repeatability and rapid results in the field.



Electronic Acid Number Test Kit

Maintaining the acid level of an oil prevents unexpected oxidation problems.

- The test kit is supplied with all reagents needed for 25 tests.
- Providing you with easy to interpret results, suitable for use by untrained personnel.



Flash Point Tester

The Electronic Flash Point Tester is a compact, bench top / portable, Closed Cup Flash Point Tester designed to carry out 'flash / no flash' tests or to determine flash point values up to 300°C using either Ramp or Rapid Equilibrium methods.



Test Kit Cleaner / Vial Cleaner

We recommend using the CMT Test Kit Cleaner and a soft lint free cloth for cleaning all CMT test devices. For cleaning glass vials used for optical measurements the vial cleaner is recommended. We recommend using the CMT Vial Cleaner and a soft lint free cloth for cleaning all glass ware.



Water Monitor

The Water Monitor removes the risks associated with periodic off-line testing and potential human error. In comparison to other techniques for water monitoring, CMT's Water Monitor measures the total concentration of water in oil, not just the dissolved water.



Combined Oil Condition and Moisture Sensor

It is a permanent sensor for the continuous determination of the oil condition, humidity and temperature in hydraulic and lubricating oils. It permanently monitors dissolved water, temperature and oil quality at the same time. It puts you in control of your lubricant.



Metallic Particle Sensor

The Metallic Particle Sensor is an intelligent sensor that detects electrically conductive particles in the medium that passes through it. The sensor counts them in real-time and classifies them according to their size.



Drip Type Bunker Sampler Flange

Using a so called drip sampler is the most common and economic way to obtain a representative sample according MARPOL 73/78 Annex VI.



Fuel Sampler

The Fuel Sampler is designed to be installed direct into an existing fuel pipe anywhere in the supply line.

- Designed specifically for fuel oils
- Easy retrofit
- Service pipes from 2 inch up to 14 inch



MARPOL Bunker Cabinet

The CMT MARPOL Bunker Sample Storage Cabinet is a complete unit providing everything needed to comply with the IMO MARPOL regulations. It contains everything for collection, retention and storage of bunker fuel oil samples as required by the IMO MARPOL Annex VI regulations.



Automatic Fuel Sampler Type 50 & 70

The Automatic Sampler is connected to the main bunker line by a flexible hose for the mobile solution or by pipe fittings for the permanent installed version. After start it will automatically sample into the cubitainer and stop after the preset bunker time.



Vacuum Sampling Pump with 100 ml bottles & Sample Extraction Tube (LDPE)

The vacuum pumps can be used for sample bottles with different necks. The 28 mm sample pump is designed to fit CMT 50 ml sample bottles and the 38mm plastic pump is designed to fit 100ml bottle. Sample Extraction Tube (LDPE) - Clean LDPE tubing to fit sample extraction pump which can be used with most oil systems. Supplied in 15 meter rolls.



Sample Bottles | Cubitainers

CMT produce a range of HDPE (translucent) and PET (clear) sample bottles for fuel oil and lubricants. They are designed to allow oil sampling of warm oils direct from the equipment. Cubitainers - fuel samplers use disposable cubitainers. These hold the oil sample before mixing and transfer to the sample bottles and keep out all external contamination.



Density Meter | Density Meter Pro

Accessories like mailer kits, labels, adapters and mailing cartons are available for sampling, storage and shipping.



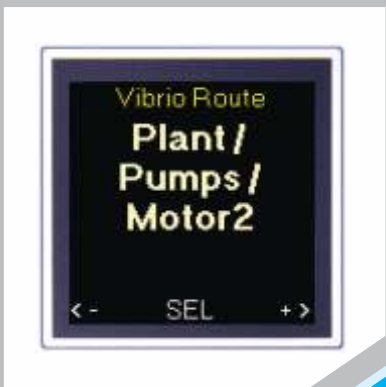
Marine Vibrator metre

A powerful Expert system provides on the spot useable results without the need to send the information on shore for evaluation, even beginners can use these results right away without any training or knowledge about vibration analysis.



CMT Vibration metre

It is a complete machine condition monitoring system that gives results without the use of a computer or laptop. It is designed for the technician, engineer and consultant who needs to analyse a rotating machine on-site without investing and carrying expensive instruments to site.



Vibration Meter Plus

The Vibration Meter Plus is another step further in a long term history of Vibration Meter production in CMT. It is the same instrument as the standard device but includes on top a memory and an USB connector for data transfer. The measured data can be stored in the device and transferred to a PC.



The Grease Meter

The Grease Meter is a plant tool used for monitoring and control of the lubrication process. It measures the actual bearing lubrication status and informs the operator when the lubrication state is optimal. The instrument helps to ensure that Bearings will not be under or over lubricated.



Vibration Analyser VA3 Pro

Vibration Meter Pro is a professional and robust 2 channel Vibration Analyser which is a valuable tool for maintenance engineers for fault diagnosis and data collection. The simple to understand expert system can automatically detect machine faults such as unbalance, looseness, misalignment or bearing faults.



Vibration Analyser VA4 Pro

CMT Vibration Analyser is a professional and robust 4 channel Vibration Analyser / Recorder, which is a valuable tool for maintenance engineers for fault diagnosis, balancing and data collection / recording. Vibration Analyser contains these measurement modes:

- Signal Recorder
- Signal Analyser
- Data Collector (Route measurements)
- Run Up (Coast Down)



Pocket Analyser

The Pocket Analyser is a pocket sized 4 channel vibration analyzer.

The instrument is enhanced by modules for dynamic balancing, measurement of run up and coast down and acoustic measurement mode.



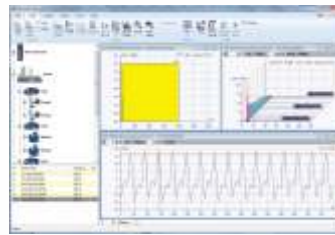
The Vib Simulator

The Vib Simulator device behaves like a standard ICP® acceleration sensor with a sensitivity of 100 mV/g. The Vib Simulator enables the user to check measurement precision and functionality of analyzers, vibration meters, protection and monitoring systems.



Vibration Monitor

The Vibration Monitor is a powerful online monitoring and diagnostics system. It was designed to increase the reliability of strategic rotating machinery. The Vibration Monitor system can operate as an independent monitoring system or it can be used as an extension of an existing protection system.



The DDS software system

The DDS software system is a powerful tool for storage and evaluation of vibration and technical diagnostics data.

It allows the user to work with data collected by portable data collectors and online systems.



The Animated Deflection Shapes software

The Animated Deflection Shapes software is based on the method of operating deflection shapes. This means that we visualize the vibrations of the machine by animation.



Diesel Performance Analysers

Diesel Performance Analysers can provide early detection of worn or damaged engine components such as piston ring leakage, burnt piston crown, exhaust valve leakage and much more. It also ensures that the engine is well balanced and the injection timing is correct. An optional feature is an acoustic emission sensor that measures fuel injection without penetrating the fuel system.



Diesel Indicator

The Diesel Indicator is a portable unit that monitors the combustion process of diesel engines. It allows you to tune the engine and detect faults or irregularities in their early developing stages.



Diesel SCOPE

The Diesel SCOPE is a portable unit that monitors the combustion process of diesel engines with a speed

of up to 3000 rpm in real time. It allows you to tune the engine while measuring and detecting faults or irregularities early in the developing stages.



PREMET® C

The pressure inside the cylinder of a diesel engine indicates the efficiency level of your engine. The

Premet® C has been developed to show these important data of your diesel engine during operations. This device gives you the opportunity to fine tune your engine to higher efficiency resulting in lower costs.

Vibration Monitoring

Diesel Performance Analyser

Water Condition Monitoring



Marine Potable Water Test Kit

The CMT Marine Potable Water Test Kit allows you to test for the most critical bacteria's as well as the main quality parameters. The test kit allows to test the following parameters:

- Total number of bacteria (TVC)
- Coli forms and E. coli
- Pseudomonas
- pH value etc



Marine Sewage Effluent Test Kit

CMT Marine Sewage Effluent Test Kit will provide simple and accurate testing for

- BOD (Biochemical Oxygen Demand),
- Chlorine (Free),
- COD (Chemical Oxygen Demand),
- Coliform Bacteria,
- pH
- Total Suspended Solids.



Ballast Water Test Kit

As everyone in the industry knows, ballast water exchange is an important process, but it's one which involves several complex processes. There are a number of recognized guidelines which need to be followed in order to ensure the water is as safe and hygienic as it can possibly be.



Cooling and Boiler Water Test Kits

Cooling and Boiler Water Test Kits

- Optimise operating conditions
- Reduce energy costs
- Measure key boiler and cooling water inhibitors
- Simple step-by-step instructions



Condition Monitoring System

The Condition Monitoring System is an integrated and flexible condition based maintenance (CBM) solution for critical plant such as a wind turbine gearbox, oil rigs, thruster systems and other. Monitoring System helps operators because it provides the basis for proactive maintenance and operational decisions based on the actual machinery condition.



PLC Based Central Unit

The Siemens PLC based Central Unit is the heart of the CMT Monitoring System. It collects all information and controls the entire system. The gathered data is being pre-processed and then data packages and access are being provided to the CMT Control Panel.



Control Panel

The Control Panel is a Siemens industrial PC made to be used in harsh environments. It provides an easy to understand graphical overview about your equipment and controls the entire CMT Monitoring System. Equipped with the 3rd generation of Intel Core i7 processors it ensures highest performance. Based on the Windows 7 operating system.



Oil Sensor Box

The Oil Sensor box has been developed to offer real-time monitoring of oil on critical plant such as a wind turbine gearbox.

The Sensor Box makes frequent inspections of remote oil and machine health a feasible option.



Liner Monitor

The CMT Liner Monitor is providing an early warning of an impending critical engine damage due to mechanical or corrosive wear.

Furthermore the information provided can be used to optimise your cylinder oil consumption.



Thruster Monitor

The Thruster Monitor is an integrated and flexible condition based maintenance solution for propulsion and positioning thrusters (tunnel and azimuth thrusters) in the marine and offshore industry.



Torque Meter

The Torque Meter is a permanent monitoring system which continuously measures the shaft (effective) torque, power and RPM.



Robot R19

The Robot R19 is ideal for highly accurate, bench top handling of samples and is the perfect way to get more from your PQ device.

Henry Ford said: "If you need a machine and don't buy it, then you will ultimately find that you have paid for it." Do not make this mistake in your laboratory.

ACME CLEANING EQUIPMENTS

Hazardous Area, air motor driven mounted on base plate, cage or cage with casters.



Safe area electric motor driven cage mounted, hazardous area base mounted, hazardous area basemount with casters.





Single user plunger pump with flow rates to 10 gpm and pressures to 3000 psi

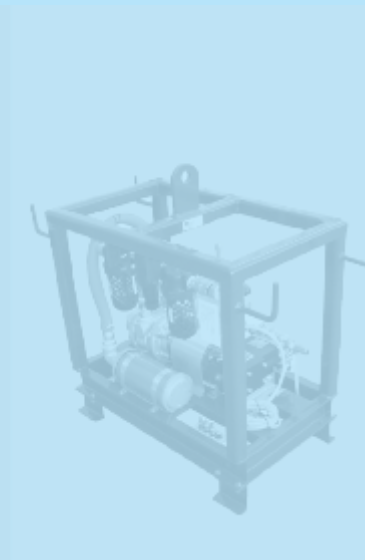
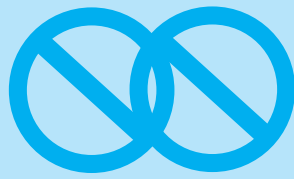


Multi-user centrifugal pump operates from 0 to 40 gpm at 1000 psi





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