

## PRODUCTS

### ➤ PRODUCTS

- **PVT Sample Cylinders**
  - ❖ PVT Oil Cylinder
  - ❖ PVT Gas Cylinder
  - ❖ Micro Gas Cylinder
  - ❖ Single Phase Cylinder
- **Real Time Monitoring for Drilling Operation**
  - ❖ Drilling Monitoring (NDM)
  - ❖ Drilling Report (NDR)

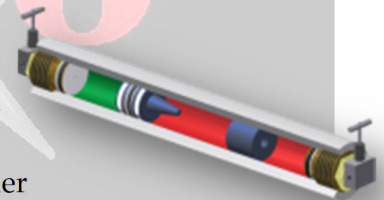
### 🚧 SAMPLE CYLINDERS

We manufacture a wide range of samples cylinders for hydrocarbon and water sampling activities. These cylinders have been tested and proven reliability and certified accordingly by Det Norske Veritas (DNV).

- **PVT Oil Sample Cylinder**

- ⊕ **Titan 700**

Titus standard 700cc PVT sample cylinder is used for standard PVT sampling activities together with Titan 5000 gas cylinder from the surface separator. The cylinder can also be used for other pressurized sampling of hydrocarbon or formation water.



- **PVT Gas Sample Cylinder**

- ⊕ **Titan 20L**

In addition, normal 20L gas cylinder is also available according to the specifications required for PVT and hydrocarbon sampling requirements.



## ■ Micro Gas Sample Cylinder

### ✦ Titan 150

Titus micro gas sample cylinder is dedicated for onsite analysis purposes. High pressure samples from Single-Phase Reservoir Sampler or wellhead can be transferred into this cylinder for immediate



onsite analysis on micro-gc or others. High pressure rating of this cylinder provides assurance of safety in related to flashing activities from high pressure wireline or wellhead samples.



Other type of small sample cylinder is also available i.e. stainless steel and sulfinert type cylinder.

## ■ Single Phase Sample Cylinder

### ✦ Titan 700-SPS

The single phase sample cylinder is used for monophasic sampling, transportation and storage. Single phase samples which are transferred into this cylinder are kept in single phase condition through maintaining the sample pressure above reservoir pressure. Nitrogen chamber provides pressure compensation due to heat effect during transportation or storage.



## 🚧 REAL TIME MONITORING FOR DRILLING OPERATION



### ■ Real Time Monitoring for Drilling Operation

Historically, sound judgments and effective decisions in drilling operation always require experts to be present on the field to fetch necessary data. But with the rapid increase in oil demand worldwide, oil companies are faced with the challenge of expert scarcity.

Navita Drilling Monitoring (NDM) in drilling is the answer to oil companies that expect up-to-date expert information in real-time mode. NDM Suites will transmit data from many locations to head office in real-time which enables experts in head office to monitor, analyze and make sound decisions for many locations at a time. Therefore, with NDM operational cost is reduced and personal exposure time at the rig site is minimized.

#### Benefit:

- Improved communication among asset team members
- Easing you to monitor “plan vs actual”
- As a tool for your effort to reduce Non Productive Time (NPT)
- Optimized experience resources
- Our in-dependency and neutrality allows us to develop strong relationships with customer
- Integration with Navita Drilling Report (NDR) for customer easiness

Drilling is among the most important and risky activities in the petroleum industry. It utilizes complex equipment and requires qualified people to be cost effective and timely, to achieve a successful “goal zero” accident free target. Real time drilling operation monitoring will help you streamline your drilling operations and accelerate your success.