21st Century energy demands mean that the electricity transmission and distribution network capacity is pushed hard.

Providers and distributors must make best use of their assets. Performance analysis enables cost effective maintenance schedules to be developed.

OILMON equipment can be easily retro-fitted to complement or replace existing legacy installations.

All asset and ambient measured parameters are combined to construct a true picture of how the cable is coping with strains imposed by customer load and the environment.

Environmental & Public Profile
OILMON users have experienced
HUGE REDUCTIONS IN OIL LOSSES AND REGULATORY FINES

Business Costs
OILMON provides real time pressure data, eliminating the need for routine site visits which drives costs down and delivers HIGHER PROFITABILITY

Helping you to improve your business efficiency
System features

- Designed for HV environments
- High measurement accuracy
- -20 to 55°C operation range
- >200 measurement points/RTU
- Autonomous RTU operation
- Data logging at RTU and server
- Direct DNP3 connectivity option
- Wireless or pilot connected RTU
- Continuous alarm checking
- Leak detection algorithm
- Web database application
- Scheduled or ‘ad-hoc’ reports

Performance Indicators

- Reduced cable oil usage
- Manual gauge reading eliminated
- Daily pressure data available
- Advanced leak trend warning
- Avoidance of major incidents
- Visibility of cable loading effect
- Tank pressure optimisation
- Improved maintenance efficiency
- Years of historic data records
- Improved Environmental profile

Maintenance planning

OILMON’s algorithm provides advanced ‘slow leak’ warning facilitating planned preventive maintenance, instead of costly out of hours disaster response helping to deliver

IMPROVED EFFICIENCY

Replacement Strategy

OILMON’s historic data helps managers to prioritise asset replacement and repair, thereby Enabling

CAPITAL COST PLANNING

3rd Party Incidents

The OILMON system enables cable damage caused by others or due to earth movement to be quickly detected and actioned, leading to

REDUCED COSTS AND ENHANCED PUBLIC PROFILE

Engineering, Equipment & Systems Manufacturers
Cable Pumping Records
Once a problem cable section has been identified, PFT techniques can be used to locate the leak. This graph illustrates a PFT loading procedure where oil is removed from tanks and replaced with a locating agent and then re-pressurised.

Status Delivery
OILMON offers a range of alarm and performance report methods for the timely delivery of critical alarms and validated incident records.

WebKit
WebView provides Internet access to your asset performance data. You can view data graphs of recent and past events with the simple use of a web browser. Information such as ‘falling’ and ‘low’ alarms and algorithm detected slow oil leaks are highlighted. You can create reports and archive reading history.

Predictive Monitoring
Comparative pressure calculations enable leaky cables to be identified. Leak detection sensitivity is configurable. Preventive measures can be taken weeks in advance of potential cable insulation breakdown.

Turning your data into decisions
www.drallim.com
**Products Summary**

**Control Equipment**

- Used to collect data from monitoring transducers and relay it to the system server. Responsible for alarm management.

**Master Control Unit (RTU)**
- Sub-Station located
- Mix of transducers
- 8 transducer ports
- 15km range
- 40 alarm mapped SCADA Contacts
- PSTN or LAN Comms

**Wireless Control Unit (DART)**
- Field Installed
- GPRS/Wi-Fi
- 110vac/240Vac or rechargeable Battery

**Transducers**

- A range of specially constructed and calibrated low power ultra stable instruments suitable for use in harsh environments.

**Pressure**
- Cable Oil
- Atmospheric
- 0.1% Accuracy over operational range

**Temperature**
- Cable
- Ground
- Ambient

**Contact Monitor**
- Kiosk Security
- Fluid Level
- 3 VFC’s
- Server assigned functionality

**Wireless SCADA Interface**
- Substation Located
- GPRS/Wi-Fi
- Low/Falling Alarm Reporting

**Load Current**
- 20mA i/p
- ISTAT Compatible
- Scalable Output

OILMON products are specially designed for the HV industry
Drallim Services

Server Hosting and System Management

Drallim provide secure server hosting services to ease customers’ burden of internal systems integration. A cost effective equipment maintenance and reporting service is also provided, customised to individual requirements. This includes comprehensive scheduled reports and incident alerts.

Asset Protection

Installation and commissioning services can be supplied by National Grid Competent Person and BESC certified engineers.

Equipment Installation

A range of equipment protection and energy saving products designed for electricity utilities are available.