



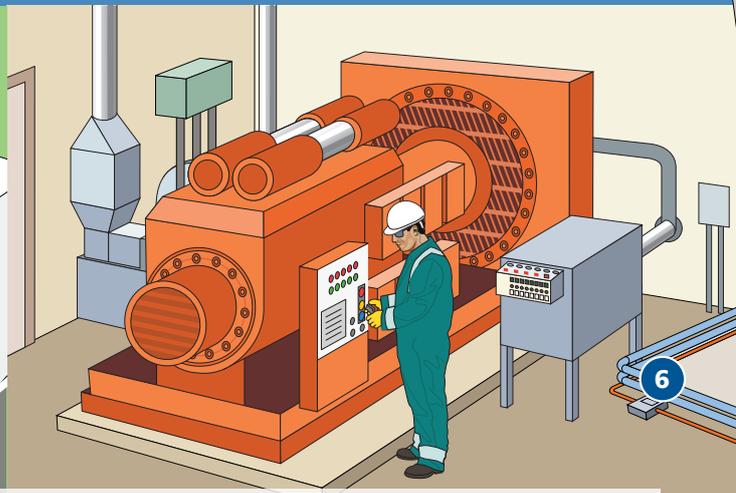
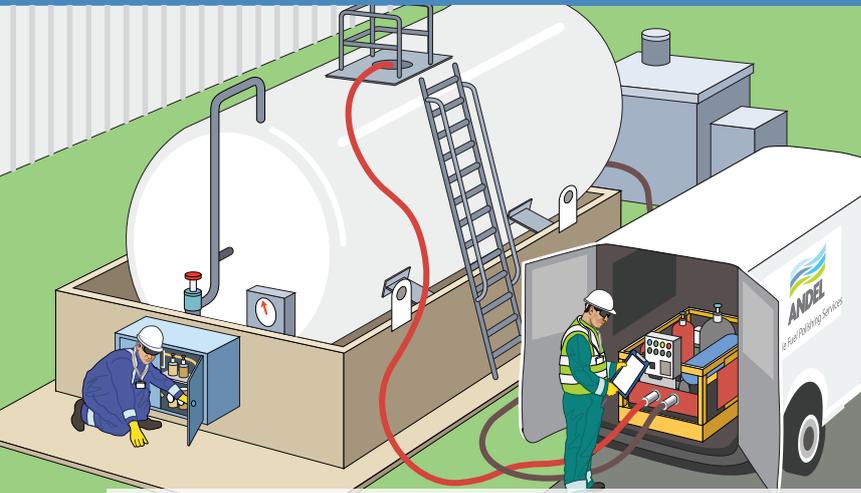
Peace of mind for data centre operators



An industry-unique solution for stored diesel fuel maintenance and water, oil and gas leak detection

Protecting your assets. Protecting the environment.

Andel's industry-unique, one-stop solution to protect the continuity of service and give peace of mind to data centre operators across the UK



Andel's oil storage maintenance means regular site visits, robust management, sampling and treatment of stored fuel using state-of-the-art specialist equipment as well as permanent filtration systems. With Andel you can rest assured that your diesel is always in tip top condition and ready to power your back up generators, 24/7, 365 days a year, wherever you are in the UK.

Is your stored diesel fuel ready for an emergency?

If you store diesel fuel to power back-up generators and fail to maintain the integrity of the fuel and storage tanks, it could be a disaster waiting to happen.

You may have problems if you:

- **Store fuel oil for more than six months**
- **Do not have regular oil storage inspections**
- **Operate in locations with extremes of weather**
- **Cannot monitor the quality of your fuel oil**

The diesel bug

Due to EU regulations, fuel oil now contains significantly higher amounts of biodiesel, which means that bacterial and fungal growth is common in stored fuel.

Microbial contamination in diesel has come to be known as the 'diesel bug' and is a problem that faces every site operator storing fuel. The diesel bug includes many types of bacteria, as well as mould, fungi and a slimy build up of biofilm which can cause acid erosion and blockages.

Contaminated fuel supplies can result in at best machinery not operating efficiently and at worst in total

breakdown. Failure to regularly inspect your stored fuel can result in emergency, mission-critical equipment failing when you need it most.

Andel's oil storage solution

Andel provides a comprehensive and cost-effective range of oil storage maintenance services including:

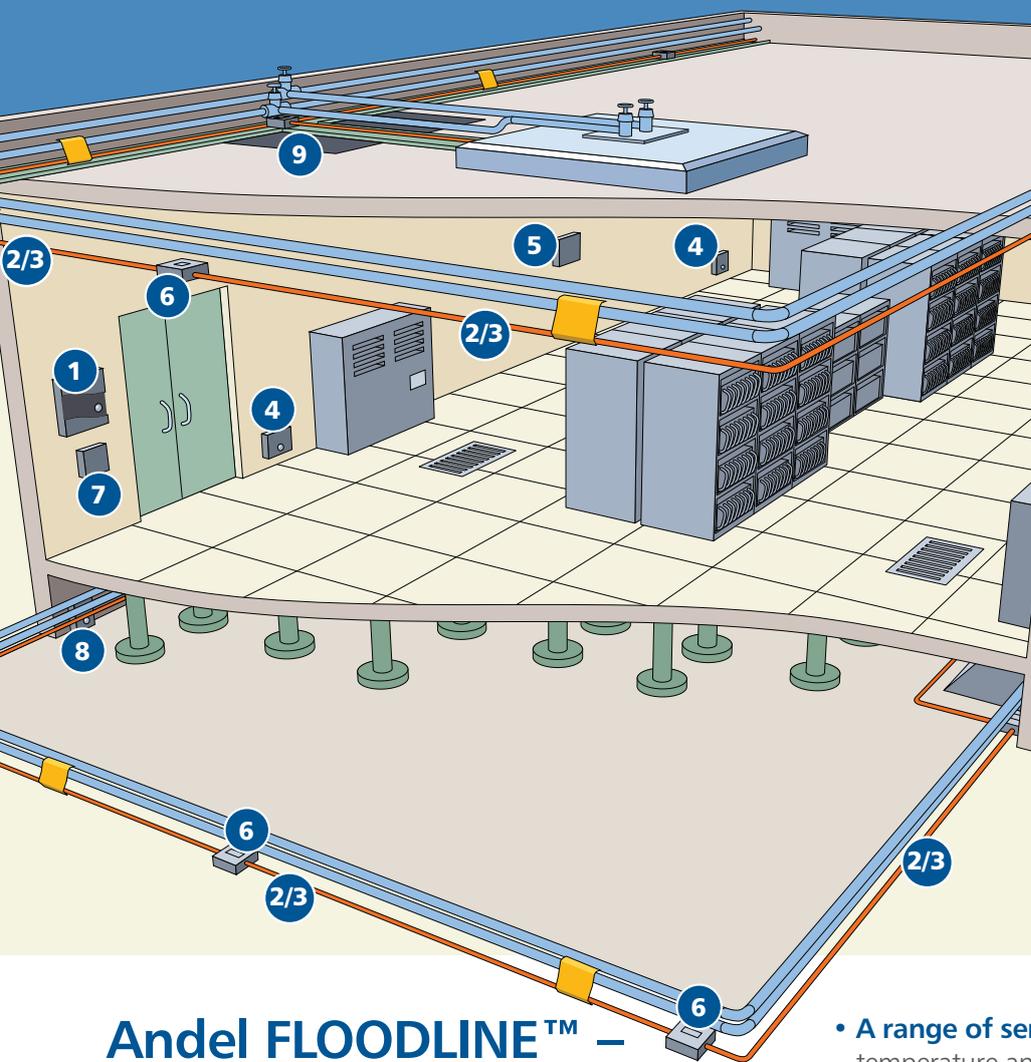
- **Site surveys and fuel sampling** – providing effective, early warning of potential problems.
- **Fuel and tank maintenance** – Removal of contaminated fuel, thoroughly cleaning your tanks of contamination, filtering, 'polishing' (cleaning) and stabilising the fuel using specialist state-of-the-art remedial equipment, and returning the refreshed fuel to the clean tank.
- **Permanent filtration system** – Installation of permanent fuel oil polishing systems to your tanks – to regularly circulate the fuel and remove contaminants.

Andel's philosophy of prevention rather than cure is by far the best option which means regular site inspections and robust management of your stored fuel.

Andel's specialist support and equipment will maintain your fuel in optimum condition and ready for emergency use at any time, wherever you are in the UK.

For more information call
Andel on +44 (0)1484 845 000

www.andel.co.uk



Example of a FLOODLINE™ zoned installation in a typical data room

- 1 Single and accessible 128-zone, multi-function control panel
- 2 FLOODLINE™ Ranger long line sensing cable – functions as a zone in its own right
- 3 8-zone or 4-zone wicking detection cable
- 4 Refrigerant gas detector
- 5 Temperature and humidity sensor
- 6 Plug and play connectors
- 7 Solenoid control panel – shuts off water supply in the event of a leak
- 8 Vertical point sensor – wall-mounted, tough and compact
- 9 Flexi-Pad sensor – for shallow voids and wrapping around pipes

Andel FLOODLINE™ – the award-winning leak detection system

Data centre operators are naturally concerned to protect themselves from all potential damage and leak detection is part of any standard monitoring and alarm package.

Andel FLOODLINE™ is a unique, award winning, BMS-compatible water, oil and gas leak detection solution for uninsurable risk locations within the built environment. Customers include many of the UK's leading blue chip organisations. In fact any building of note on the iconic central London skyline operates Andel equipment or receives our services.

The benefits of choosing FLOODLINE™

- **Resilient** – A robust, zone-based leak detection system providing failsafe early warning of water, oil and gas leaks.
- **Saves time and money** – Allows early action to be taken to significantly limit the damage, disruption and loss that occur when leaks in buildings are allowed to go unchecked.
- **Unrivalled value for money** – Cost-effective, simple to install, easy to use and totally dependable.
- **A range of sensors** – For water, oil, gas leaks as well as temperature and humidity.
- **Multifunction control panel** – A unique, single, multi-function control panel – more cost-effective to install, maintain and monitor.
- **A zoned system** – Unlike other technologies, FLOODLINE™ consistently delivers accurate warnings for multi-leak detection.
- **Easily maintained** – All electronic intelligence is contained within the single, multi-function control panel, which is always above floor level and fully accessible. With other systems, electronic intelligence is often in numerous locations under the floor and difficult to access. Choosing FLOODLINE™ significantly reduces disruption to core activities, saves money and avoids costly repairs.
- **Variable sensitivity** – Each zone's sensitivity can be adjusted to take into account the environment and working conditions for that zone, reducing the risk of false alarms.
- **Addressable system** – Any zone can be any mix of sensors.
- **BMS compatible** – Alarm notifications can be relayed to BMS.
- **Future proof** – Additional zones and upgrades can be easily and cost-effectively bolted on.



Protecting your assets. Protecting the environment.

Stored Diesel Maintenance and Leak Detection – working with some of the largest public and private organisations in the UK for over a quarter of a century:

Telefonica

Equinix

Virtus

Global Switch

The British Museum

HM The Queen

The Houses of Parliament

Vodafone

EE

Virgin

Barclays

The Pentagon

MIT

Hong Kong International Airport

GlaxoSmithKline

HSBC

Bank of America

J.P. Morgan

AstraZeneca

Pfizer

Credit Suisse

Airbus

Rolls Royce

Microsoft

Google

Facebook

Bouygues

CBRE

Engie

Interserve

ISS

SITA

Skanska

Sodexo

Arriva

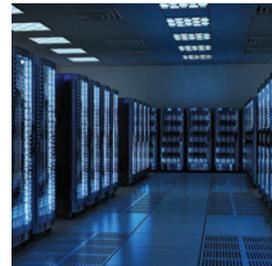
National Grid

NHS

University of Cambridge

Mersey Fire & Rescue

West Yorkshire Police



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