

**Electricity
Transmission**

nationalgrid

Engineering and Consultancy Solutions

Oil Management



Who for

Are you looking to optimise your asset availability and prolong its life? We have a wealth of experience and technical expertise to provide world-class solutions for all your oil management needs.

Why choose National Grid

- **Bespoke equipment:** We own Oil Management Units (OMUs) and bespoke specialised mobile oil processing units. They are fitted with the latest technology including satellite broadband connections; onboard oil testing facilities and onboard fuel-efficient; low emission diesel generators.
- **We can save you time:** Our oil units can operate 24 hours a day on your site, reducing the time taken to complete work. We will use results to tailor the services we provide.
- **We innovate:** Our engineering team has a strong innovative drive to look for new opportunities to overcome current challenges.
- **Industry expertise:** Our many years of experience have allowed us to develop systems of best practice for all oil handling and oil processing requirements.
- **National coverage:** Our OMU locations at Thorpe Marsh (South Yorkshire) and Dartford (Kent) enable us to cover the whole of the UK and Ireland.
- **Our experts:** All our OMU operatives are rigorously trained, working to the highest standards.

- **Licensed sites:** The Environment Agency licenses our OMU sites under Pollution Prevention and Control legislation.
- **We are accredited to ISO9001 and ISO14001,** and at Dartford, we are licensed for PCB (Polychlorinated Biphenyls) destruction.
- **All in one:** We tailor our service to accommodate all your oil management needs from sampling right through maintenance and oil reclamation.
- **Independent oil testing:** We offer a full range of oil testing and analysis tests at a third party UKAS ISO/IEC17025 accredited laboratory.

Our solution

• Sampling, testing and analysis:

At our OMU sites:

- we use calibrated instruments.
- we can test High Voltage breakdown up to 100kV, moisture to below 5ppm, resistivity and copper corrosion to IEC standards and silver corrosion to DIN 51353.

Oil supply to your site:

- all our oils can be delivered to your site reconditioned (dried and degassed).
- we provide 12 hour emergency and 24 hour response service for oil deliveries.

- our expert teams can remove excess oils from your equipment and dispose of it in compliance with environmental regulations.
- new oils can be supplied as uninhibited or inhibited depending on your requirements.

• PCB (Polychlorinated Biphenyls) destruction:

- PCBs are environmentally hazardous pollutants that are strictly regulated.
- we own and operate a waste treatment facility licensed for PCB destruction for small volume equipment.
- the strict procedures used by the OMU allow us to transport PCB-contaminated equipment without having to give prior notice of movement to the Environment Agency, saving both time and cost.

• Oil replacement or reconditioning:

Our areas of expertise:

- oil circuit breaker service.
- transformer diverter oil service.
- transformer selector oil service.
- topping up transformers.
- transformer oil drying and degassing service.
- transformer major oil change service.
- inhibitor/passivator.

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