

Background

A regular high voltage engineering customer required a transformer to have the oil purified on-site to ensure best possible quality and continuity of service whilst various upgrades and repairs were made to the building over coming years.

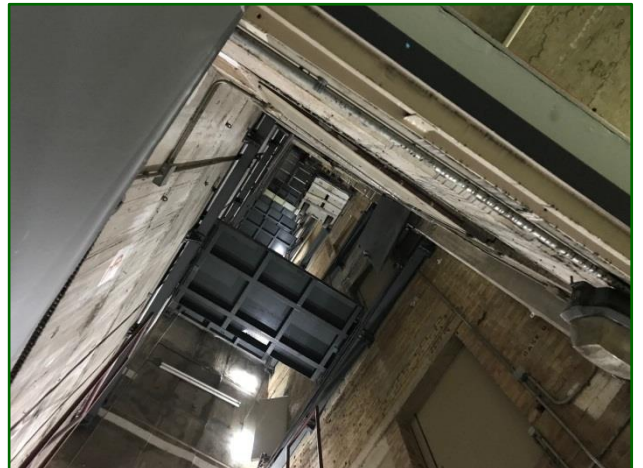
The transformer was located deep under the City of London, access was limited to a former shaft and crane that was not wide enough to accommodate conventional purification equipment.

Solution

Eden Transformer Oil were contracted to provide our smallest on-site purification plant and custom made lifting slings that are normally used for our offshore windfarm works.

Weighing in below 200Kg the plant was easily lowered and maneuvered in to place and the oil was purified over a 24 hour period.

Post works oil analysis found that the dielectric strength had improved from 33kV to 75kV and moisture reduced from 22mg/Kg to 4mg/Kg.



About Us

Eden was formed by Alan Denbow and Eddie Gregory in August 1985.

Former employees of Burmah Castrol, they realised that the vast majority of electrical engineers were simply replacing expensive transformer oil without fully appreciating the additional technical benefits of purification to the electrical equipment, and that Eden could achieve a more convenient solution at a significantly lower cost.

In more recent years the treatment of transformer oil is the first choice for a cost effective and efficient maintenance program: the increasing cost of new oil, the importance of productivity and equipment downtime, coupled with the environmental benefits of avoiding the transportation of hazardous waste and use of virgin products, are all part of the equation.

As well as providing on-site transformer oil treatment, if needed, Eden can supply and install new or reconditioned insulating liquid and provide all of the on and off-site sampling and analysis to ensure transformers are supervised and maintained according to British Standards (BS EN 60422:2013) and insurance underwriters requirements.

Our online store is ideal for customers requiring smaller quantities of insulating liquids, desiccant breathers, spill kits and other regularly used consumables. All of our products are sourced in the UK and used on site every day by Eden staff, so they are tried and tested in the field.



Registered Address

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Waste Carrier License: CBDU1214230 **Waste Storage Permit :** EPR/BB3506LF