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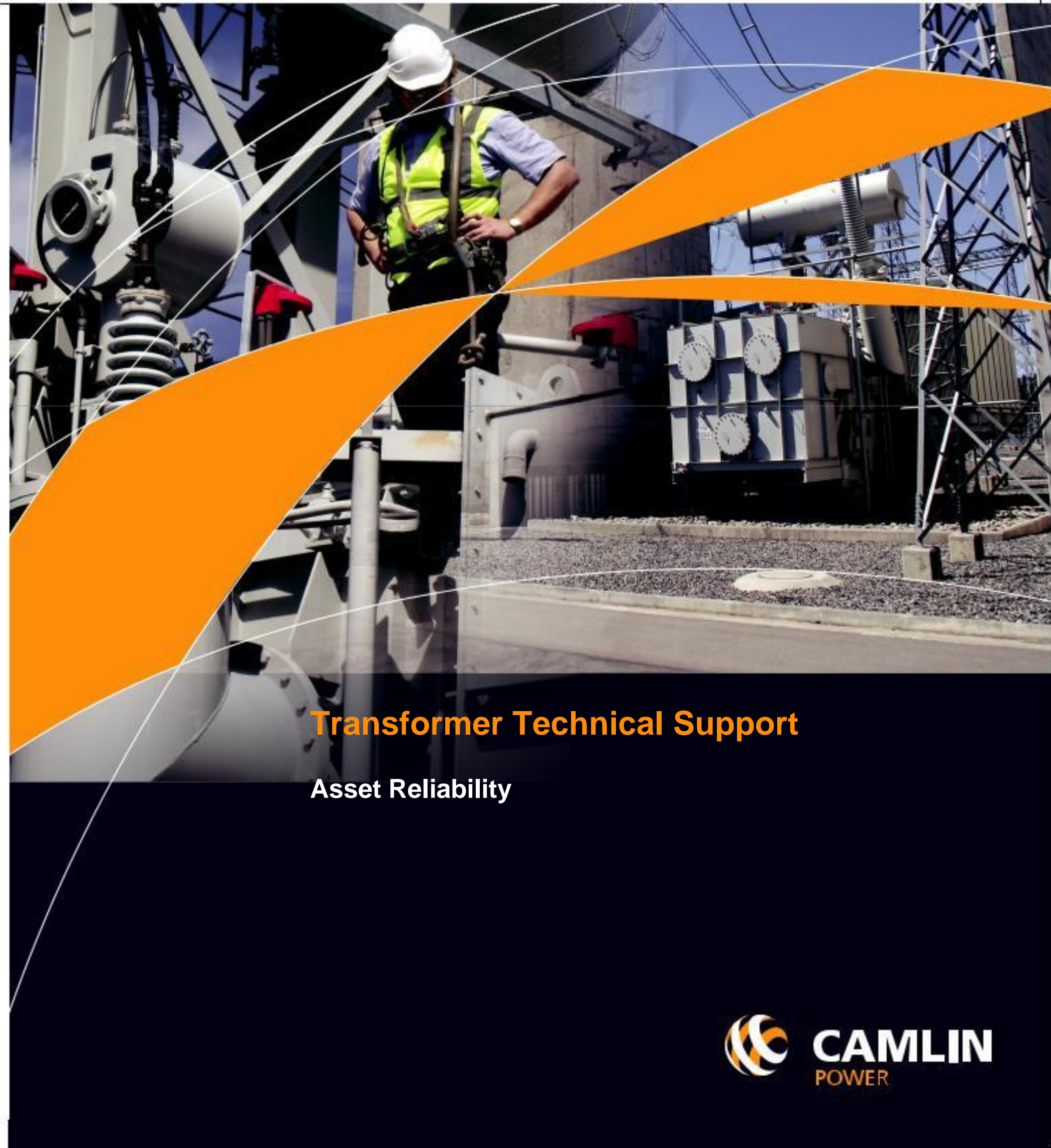
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Transformer Technical Support
Asset Reliability

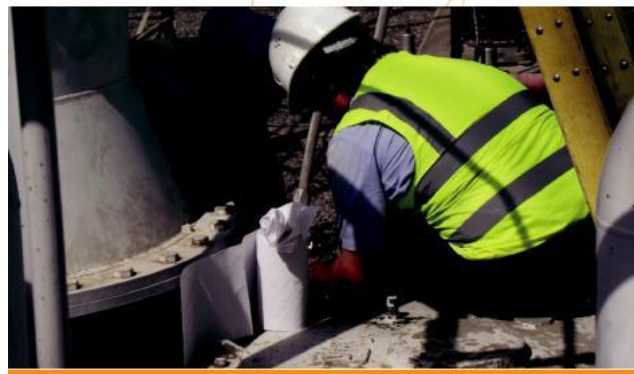


The loss of specialist knowledge is an ongoing risk for Asset Managers.

Recognising the need to support our customers beyond the supply of leading edge monitoring technology, **CAMLIN POWER** can provide expertise at any stage of transformer management with our teams of world-renowned transformer experts.

Our **Transformer Technical Services** team offer:

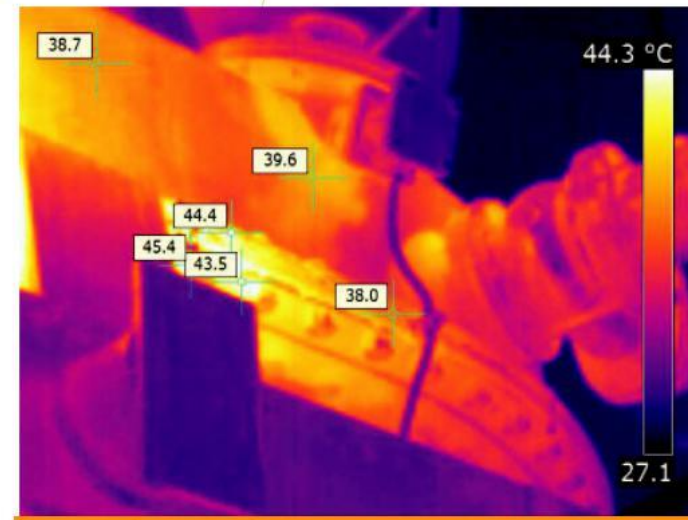
- Transformer Condition Assessment
- Remote Technical Support & Condition Assessment
- Fleet Ranking
- Failure Analysis
- Overload Evaluation
- Design Review & OEM Support
- Training



Transformer Condition Assessment

The testing program provides an in depth status report into the real time condition based risk associated with transformer performance.

In-service tests will provide the data to evaluate the current operational condition.



Remote Technical Support & Condition Assessment

Our specialists will liaise with customers to get the best from online monitoring including guidance on asset alarm conditions, generation of condition reports and support of initial defect analysis.

The **Transformer Technical Services** team are also able to provide a remote analysis of Transformer Condition (utilising standard design and test data such as nameplate, oil quality, DGA) with recommended actions for customer information.

Fleet Ranking

Using advanced algorithms developed over years of utility operational and transformer design expertise, a population of transformers can be ranked using a condition based risk methodology to identify critical assets.

This allows focus of targeting of resource to support operational reliability.

Failure Analysis

Understanding *why* a transformer fails is an important step in asset management.

The **Transformer Technical Services** team provide detailed post mortem analysis to understand failure modes and recommend preventative measures to minimise risk and prolong asset life.



Overload Evaluation

Overload capability is key to understanding the safe operation of Primary Transformers during periods of unpredictable overload.

Our **Transformer Technical Services** team can produce *Asset Overload Evaluation* reports that quantify safe overload capabilities and provide vital data to promote safe asset performance and reliable system management.

Design Review & OEM Support

Understanding transformer design is vital to successful asset and life management of your transformer. With the correct support we can ensure you get the right unit and service for your system needs.

The **Transformer Technical Services** team can provide independent support when liaising with transformer manufacturers (OEMs). This includes assessment of initial specifications, designs, calculations, procedures, materials and Factory Acceptance Testing (FAT).

Training

Training can be tailored to specific customer requirements, covering a wide range of topics.

A key aspect of our Condition Assessment projects is the transfer of knowledge through on-site training and delivery of a project report.



Training at Camlin HQ or home facilities

- Transformer Design, Ranking & Monitoring
- Transformer Accessories & Instrument Transformers
- Transformer Oil (DGA) Diagnostics And Analysis
- Transformer Lifetime & Maintenance
- Moisture In Oil & Oil Processing
- Transformer Design Review

