



# Maintenance and Condition Monitoring

# Benefits of optimizing maintenance practices

Establishing effective maintenance practices is a vital element in delivering maximum value from assets over their full life cycle.

Condition monitoring tools and techniques now exist that allow organizations to:

- Determine where an asset is along its asset life cycle
- Move towards condition-based maintenance regimes, or to use condition values to complement existing time and duty-based maintenance.

As well as optimizing value, condition monitoring can:

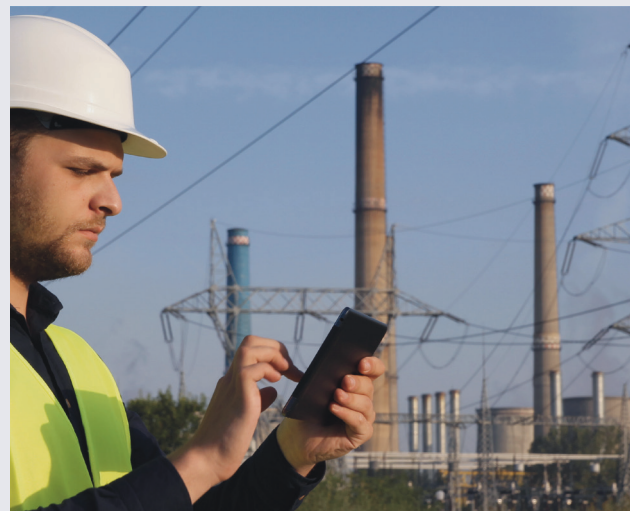
- Improve the personnel safety of an organisation's employees
- Increase the reliability of the asset and system, through the identification of potential failures before they happen
- Increase asset availability
- Reduction in process downtime

## Optimizing Maintenance

EA Technology can support organizations in the optimization of their investment strategies through the assessment of their maintenance and condition monitoring activities.

Through our extensive experience of working with major worldwide electrical network utilities, **EA Technology** is well placed to assess an organization's maintenance, condition monitoring and investment regimes to identify:

- Areas of good and bad practice benchmarked against international best practice
- Organizations that are maintaining their assets too frequently
- Any potential benefits from changing existing maintenance or condition monitoring activities
- How condition monitoring can inform maintenance or asset replacement strategies
- Leading key performance indicators



## Maintenance Documentation

EA Technology has assisted many of its clients with the creation, review and enhancement of their Maintenance and Condition Monitoring documentation so that:

- Their policies are aligned to the organization's objectives and vision
- Direction and guidance are provided on how the organization carries out maintenance and condition monitoring
- The organization conforms to all relevant regulatory and legislative requirements

Value to the organization is achieved through optimizing:

- Maintenance activities and frequencies
- Condition Monitoring activities and frequencies
- Asset replacements

## Asset Registers

EA Technology has assisted many clients in developing Asset Registers that form the foundation:

- Of the 'one source of truth' for managing and maintaining assets
- For identifying which assets require maintenance
- For uniquely identifying individual assets and grouping assets by type

## Condition Monitoring

EA Technology can provide advice on an organisation's asset condition assessment techniques for their electrical infrastructure assets. Such as:

- Justifying maintenance frequency changes
- Targeting condition monitoring to derive value
- Assessing the P-F interval between identifying potential failure and functional failure



## Partial Discharge

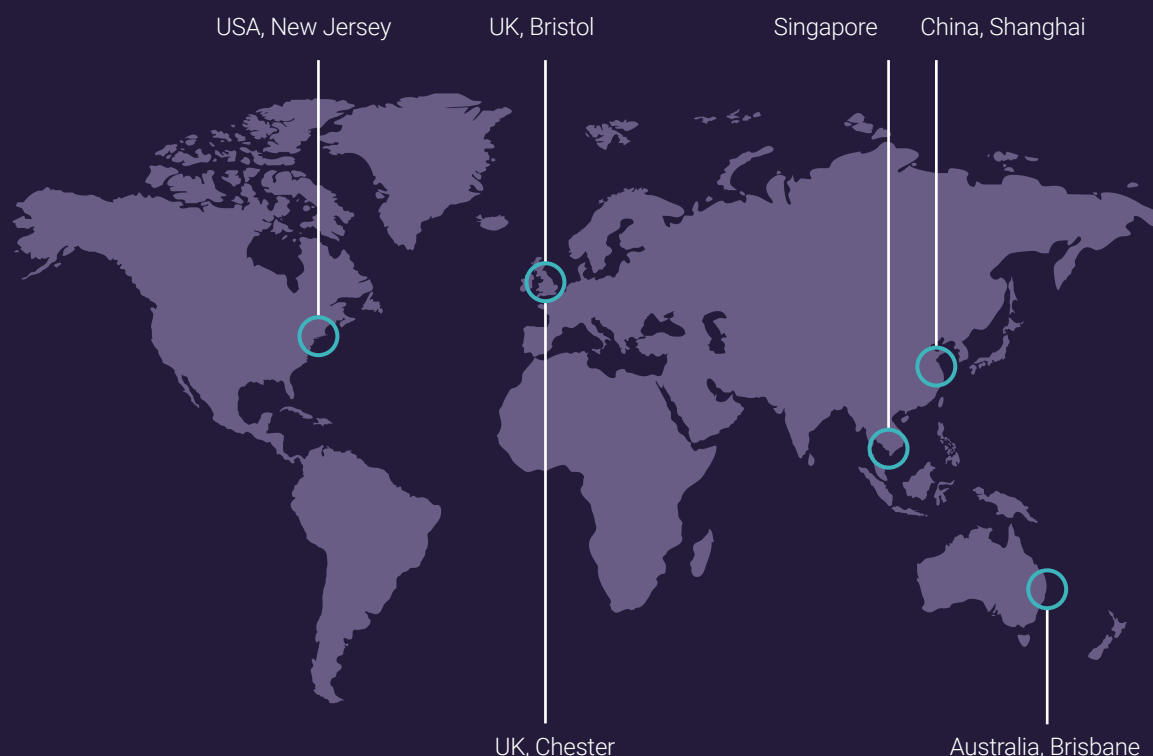
EA Technology can test for and identify Partial Discharge in all substation environments. Combining our extensive knowledge with our world-leading range of instruments, we can measure any Partial Discharge activity that may be present in any of your live High Voltage assets. In areas of high levels of electrical noise, we can install continuous monitoring equipment.

For more information please call us on (1) 862 261-2759 or email us at [sales@eatechnologyusa.com](mailto:sales@eatechnologyusa.com)



# Global Footprint

At EA Technology we specialise in asset management solutions for owners and operators of power network assets.



Founded in 1966 we have over 50 years' experience in the industry and 6 regional offices around the world to support our global customer base.

We work with a lot of our clients on a long-term basis to help them safeguard their power networks.

We advise our clients on strategy and implementation of a range of technology solutions to manage power assets, delivering maximum life and minimise cost.



**Safer, Stronger, Smarter Networks**

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