

# Astute HV Monitoring® protects your facilities from costly and catastrophic shutdowns

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## Astute HV Monitoring®

Our Astute HV Monitoring® service continually looks for issues within switchgear and cables. In particular Partial Discharge (PD), which is an early indicator of degradation, enabling users to take proactive action and avoid costly shutdowns.

[www.eatechnology.com](http://www.eatechnology.com)

# Our Astute HV Monitoring® service is an IAM Innovation award winning service because it delivers financial, performance and risk reducing benefits in asset management

## What our Astute HV Monitoring® service offers you:

EA Technology's Astute HV Monitoring® service aims to protect your highest risk assets 24/7.

The service monitors your switchgear and cables and reports any significant changes in PD activity that may result in failure or damage to the equipment. Our experts will then report to you any issues that occur and provide advice on the best course of action. Astute HV Monitoring® service is designed to offer the combined benefits of permanent and regular monitoring of assets, expert analysis and reporting under one simple commercial arrangement.

Clients benefit from significant cost savings due to the increased availability of plant and a reduction in unplanned failures and the associated costs.

By using our service, Electricity Distribution Networks have saved millions by avoiding downtimes. Astute HV Monitoring® service allowed our clients to perform proactive and necessary maintenance based on solid, up-to-date intelligence as opposed to reactive maintenance and replacement.

## Benefits of Astute HV Monitoring® service:

- A reduction in costly disruptions to production
- Increased plant availability
- Fewer customer issues
- A reduction in on-costs
- A reduction in reactive work
- Reduced overtime
- Reduction of personnel to an HV environment
- An increase in asset life
- A decrease in client performance penalties

### Switchgear Monitoring – Astute HV Monitor®



The Astute HV Monitor® is part of the Award Winning UltraTEV® range. It is an advanced asset monitoring system for 24/7 monitoring of PD activity in all substation electrical assets. The Astute HV Monitor® is a modular system with up to 300 sensors

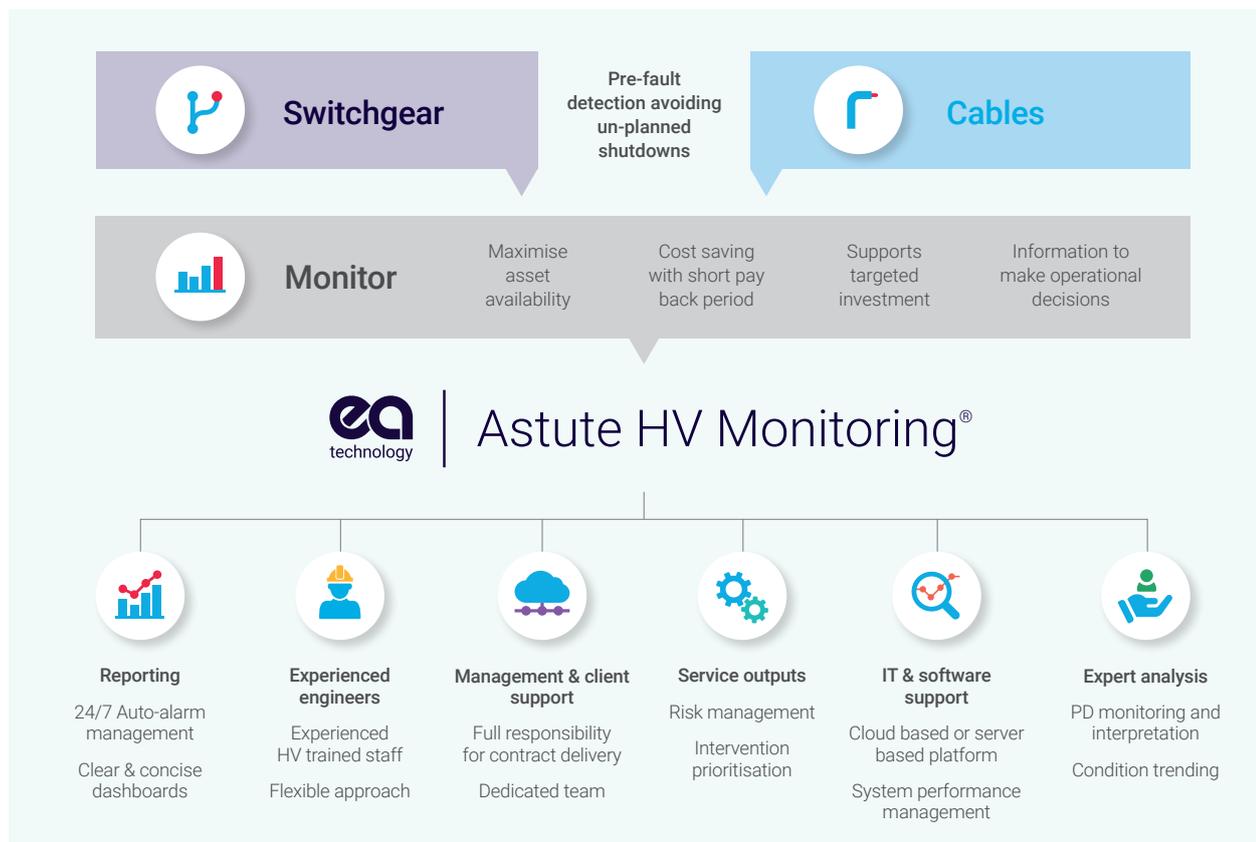
that can be located across a switchboard to offer optimised coverage – typically without an outage being required. Through the use of an independent 3G/4G router, the system does not require access to any corporate network systems, thus eliminating any cybersecurity concerns.

### Cable Monitoring – CableData Monitor®



The CableData Monitor® allows us to continuously monitor and report to you on PD activity in live cable networks. This helps to reduce the need for disruptive maintenance shutdowns by highlighting high risk areas in ample time for repairs and replacements to be

made if necessary. The system is a fully integrated modular system with up to 20 nodes and each system is capable of monitoring up to 180 cables. As with the Astute HV Monitor®, the system uses its own independent 3G/4G router to eliminate security risk to corporate networks.



### Astute HV Monitoring® service for switchgear

Understanding the real-time condition of your switchgear assets offers piece of mind financially, operationally and in terms of staff safety. Having the comfort that a dedicated expert is available to help you understand the risks associated with any issues is priceless.

### Astute HV Monitoring® service for cables

Monitoring the condition of energised HV cables has been difficult until relatively recently. The new “on-line” techniques offered either spot checks, which were limited to a small time period, or monitoring that required complex interpretation. Our Astute HV Monitoring® service for cables offers permanent monitoring and expertise to inform and recommend any actions. This provides owners and operators of these critical assets with far more information and management capabilities.

### The Astute HV Monitoring® service suite:

EA Technology knows that 85% of power failures can be attributed to PD in electrical assets. Our unique service gives companies and networks the peace of mind to trust their assets are being thoroughly monitored around the clock.

#### Our service includes:

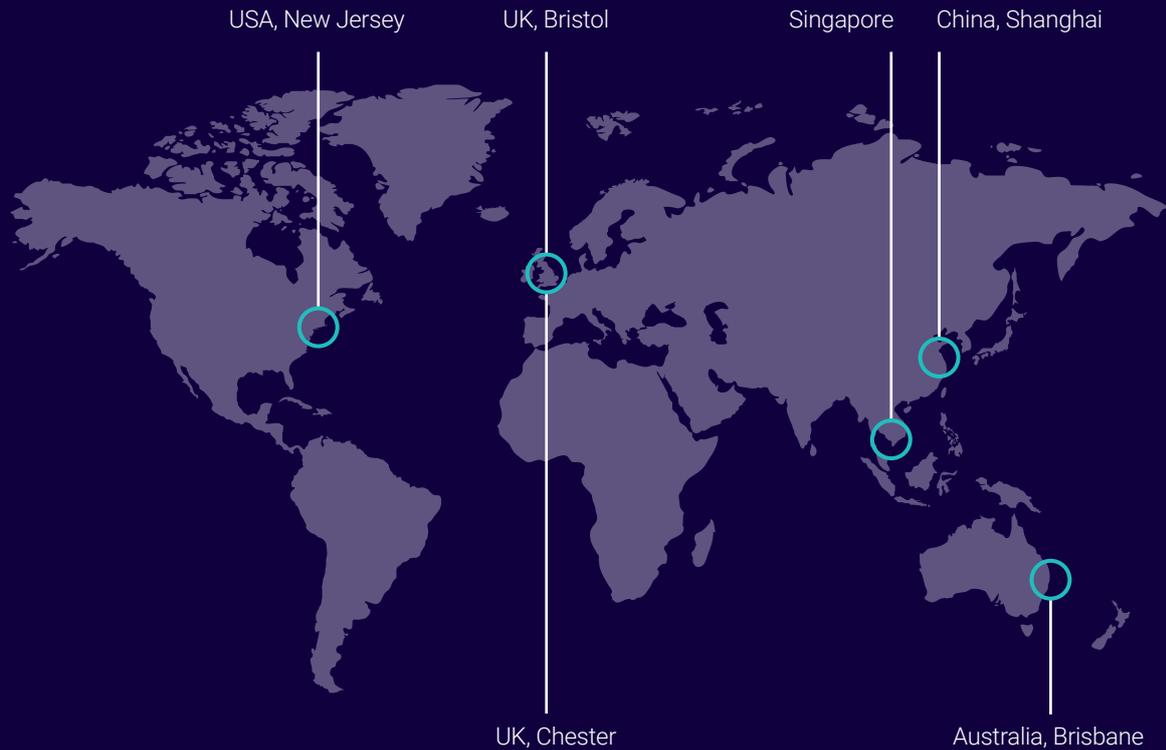
- A detailed condition benchmarking exercise
- Fully installed state of the art monitoring equipment
- One-month commencement program
- Constant 24/7, 365 days a year monitoring
- Alarms for abnormal PD detections
- Feed condition data into reports and to the company management
- Access and advice from world leading experts

For more information please call us on +44 (0) 151 347 2376 or email us at [sales@eatechnology.com](mailto:sales@eatechnology.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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