

# An introduction

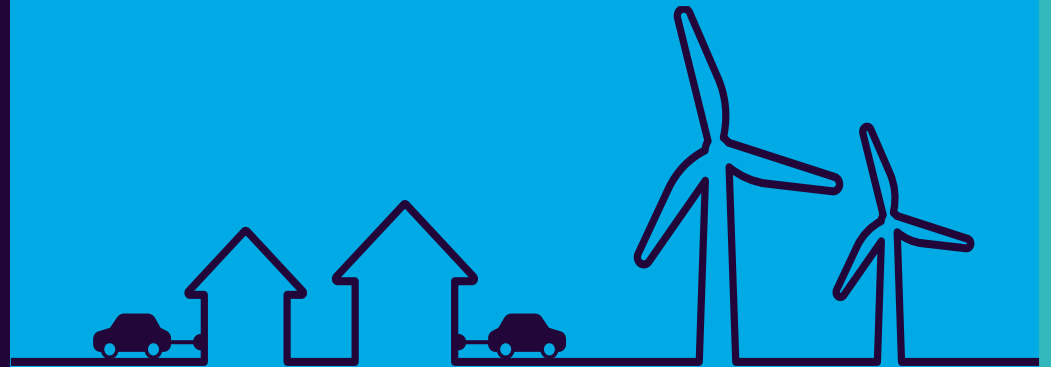
# What we do

The power to convert **Monitoring into Insights**

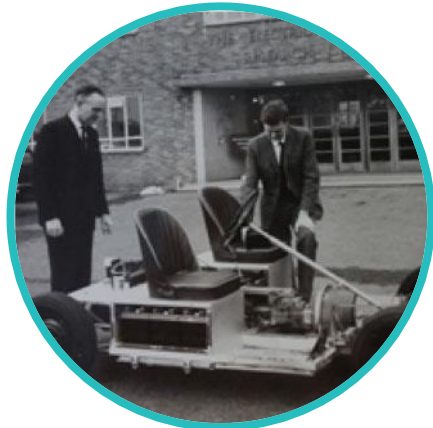
Our products and services are **designed for owners and operators of power networks to:**

- Help keep the power safely on
- Allow networks and equipment to be managed in a cost-effective way
- Prevent catastrophic failures and the subsequent financial losses
- Create clarity with asset investment decisions
- Ensure our customers benefit from leading edge technological advances.

# Creating Safer, Stronger, Smarter Networks



# Who is EA Technology?



1966

- UK's Electricity Council Research Centre

- Electricity privatisation
- Transition to commercial provider of technology services

1990



1994

- Emerged as EA Technology

- Staff buy-out inspires new commercial offering

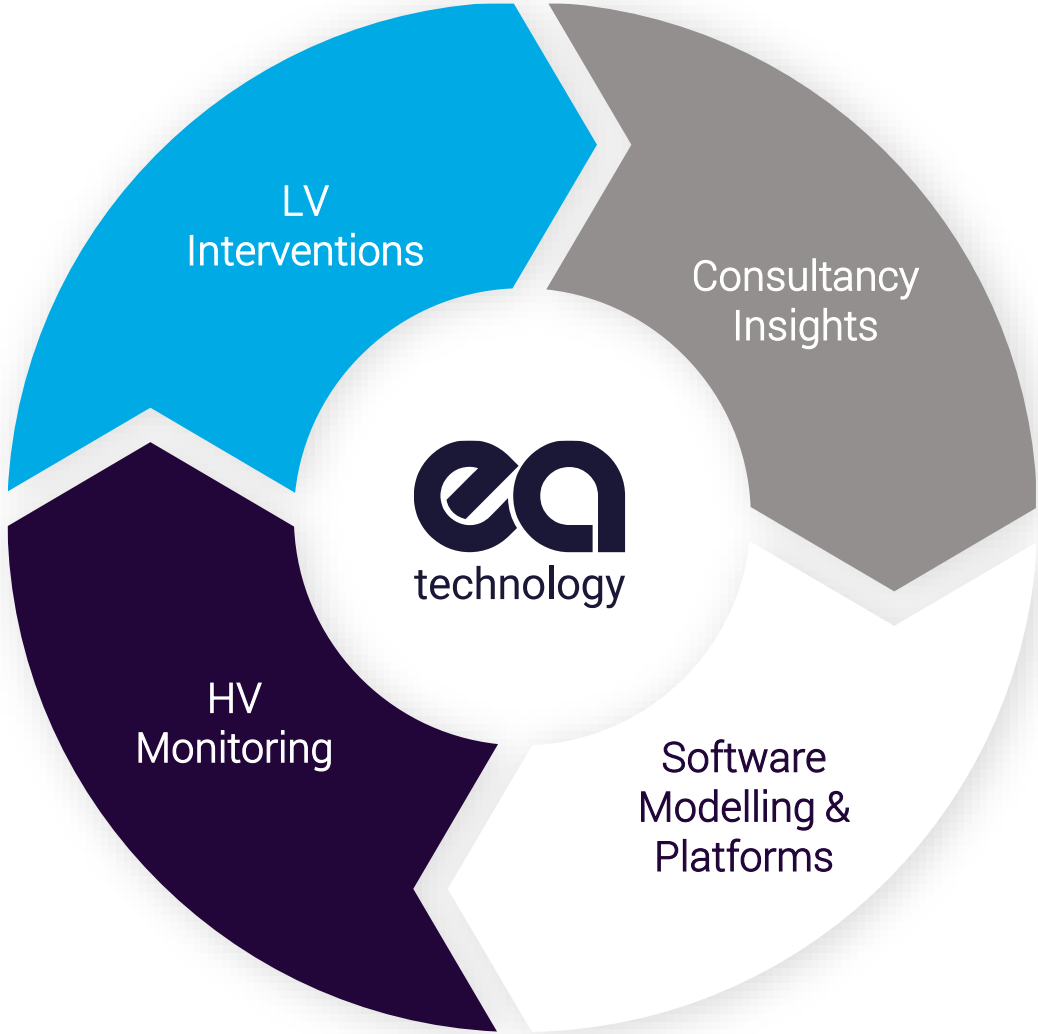
2004



2019

- World Leaders in electrical network / investment modelling and monitoring

# What we provide



# Consultancy Insights

Leading edge Intelligence and projects to make electricity networks fit for the future



## Understanding the Energy Future

- DSO transition
- DER integration
- Strategic business planning



## Electrification of Transport

- EV/Network Integration
- Operating principles
- Real-world trial experience



## Risk Optimisation

- Asset renewal strategies
- Resilience modelling
- Guiding Regulatory models and Standards

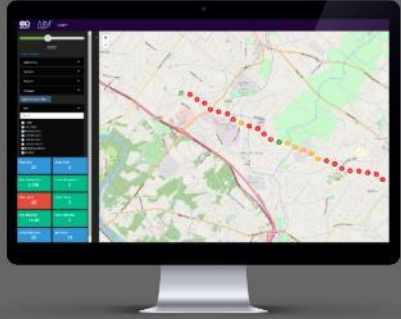


## Electrical Asset Management

- ISO55001 compliance & auditing
- Policy development / improvements
- System & Protection studies

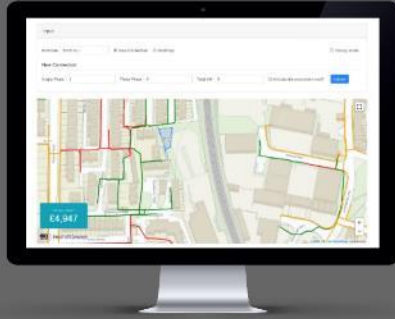
# Software Modelling & Platforms

Provision of network and asset modelling & prediction solutions and operating platforms



## Investment

- Condition Based Risk Management
- Regulatory compliance (CNAIM/TNOMS)
- Investment and risk prediction



## Connection & Design

- Connections tools
- Design solutions
- Scenario modelling



## Detection

- LV alarm processing and management
- Real time capacity mapping



## Platforms

- Low Voltage Common Application Platform
- App management & deployment



# HV Monitoring

Condition assessment instruments and services to reduce risk on high voltage networks



## Handheld instruments

- Portable PD monitoring solutions



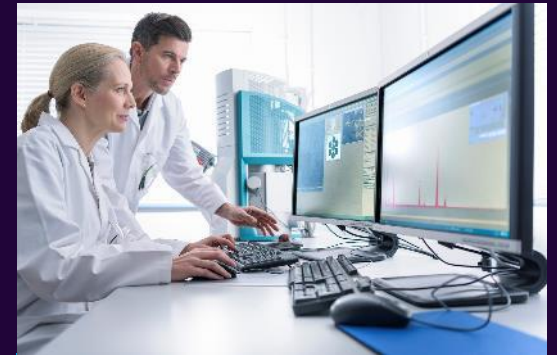
## Permanent monitoring

- PD monitoring of switchgear
- PD monitoring of cables



## Condition assessment

- Oil diagnostics
- Substation surveying
- OHL inspection analysis



## Failure investigation

- Preventative measures: pre and post fault power forensics

# LV Interventions

Advanced monitoring and restoration solutions to keep the power flowing to homes / businesses



## Monitoring Systems

- Substation Monitoring hubs
- Fault detection solutions



## Restoration improvement

- Autonomous switching solutions



## Actionable Insights

- Fault / pre-fault detection & location
- Load / voltage / power quality alerts
- Flexibility signalling

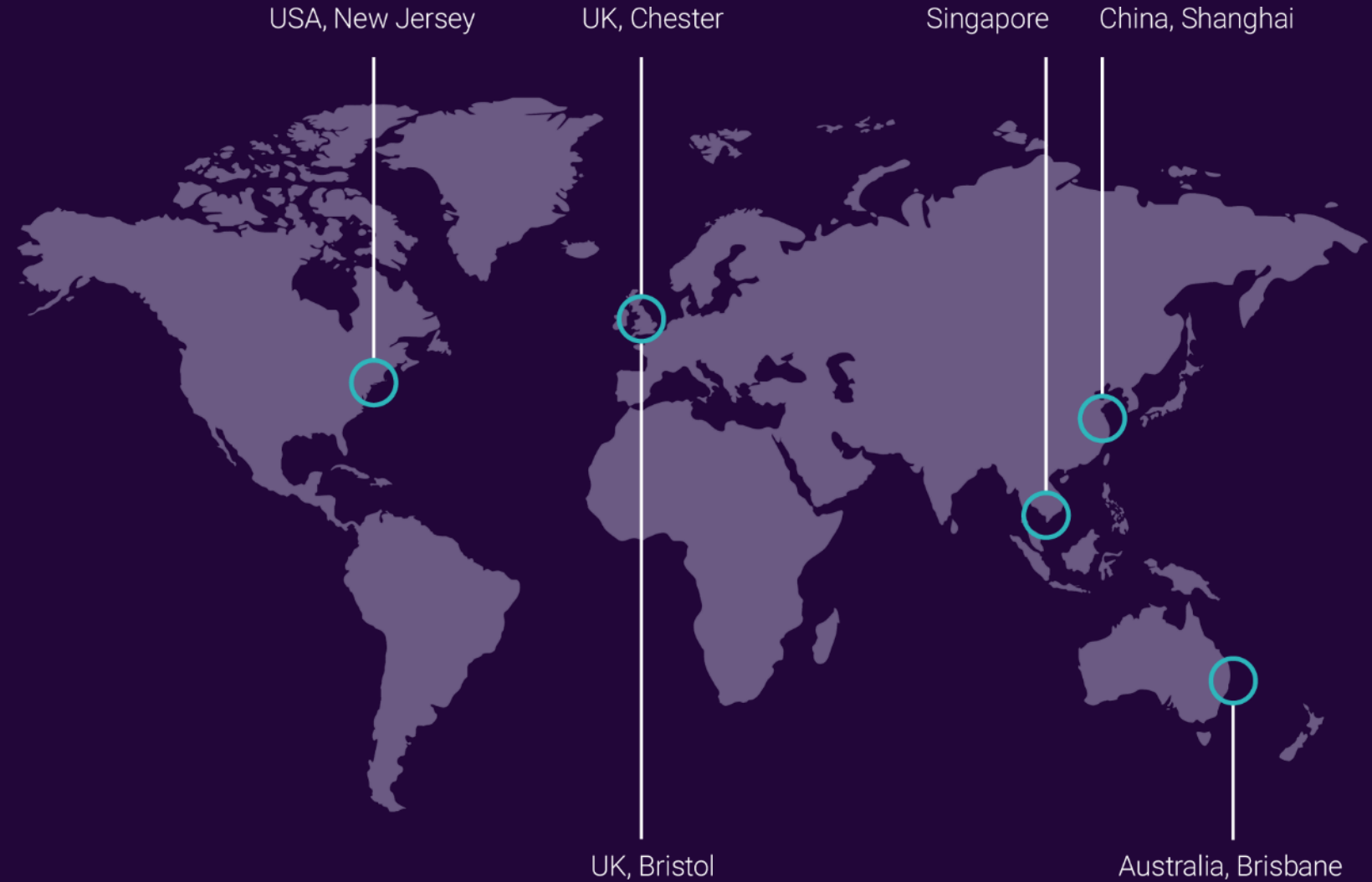


## Diagnostic

- Fault location tools



# Our teams



# Awards & Accreditations





EA Technology Limited  
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