



### Profile

Excellent Communication Skills and highly adaptable with experience in the cable industry and consultation. Experienced in cable design, manufacture and testing, fault investigation and failure analysis. Condition assessment and identification of root cause of failure in a range of low and high voltage plant. Chris has been able to capitalise on his engineering experience and background to enable him to take a role in the EA Technology team.

### Synopsis

- Has spent many years in customer facing roles dealing with people from factory floor to the boardroom providing engineering expertise.
- Chris has undertaken condition assessment and failure analysis on a range of electrical assets providing detailed conclusions and recommendations.
- Chris joined EA Technology in 2019 with a background in low and high voltage cable design, manufacture, testing and quality.

### Education & Qualifications

- B.Eng (Hons) Electronics and Electrical
- HND Electronics and Electrical
- OND Electronics and Electrical
- EITB 4 year Electrical Apprenticeship

### Skills and Responsibilities

- Comprehensive knowledge of cable manufacture and design

- High level of experience in condition assessment and failure evaluation, investigation and reporting.
- Considerable experience of factory acceptance testing.
- Experienced in auditing.
- Customer support across a wide range of cable and components.
- Strong communication skills in report writing and verbal.

### Career Summary

- 2019 – onwards: Senior Consultant EA Technology
- 2014 - 2019 Quality Manager Prysmian Cables and Systems (Wrexham)
- 2008 – 2014 Test Engineer Prysmian Cables and Systems (Wrexham)

### Experience

#### Industrial Energy User, UK

Chris carried out an assessment of maintenance activities on the primary HV and LV plant and conducting a risk assessment on items that were overdue maintenance.

#### Distribution Network Operator, UK

Chris carried out an analysis of multiple circuit cable installation using CRATER (Cable Rater) a sophisticated Cable Ratings tool which enables current ratings of a wide range of thermally interdependent circuits to be calculated.

#### Manx Cable Company – Isle of Man

Chris carried out the duties of a support auditor on the Manx Cable Company's ISO55001 Certification Audit. As a support auditor Chris assisted with the Stage 1 and Stage 2 audits that resulted in the Manx Cable Company receiving a certificate of conformance for the Asset Management System that manages and controls the interconnector assets between the Isle of Man and the UK.

#### UK Distribution Network Operators

Chris chairs the Cable Engineer Colloquiums for the UK distribution network operators, which provides a

platform for UK cable engineers to network and discuss common cable issues.

#### **Distribution and Transmission Companies, UK and overseas**

Carrying out detailed failure investigations and condition assessments on HV cable sealing ends, HV and LV cables, joints terminations and contactors. Undertaking a systematic disassembly to assess construction, quality of assembly and any areas of degradation. Commentary on their condition and any features found that indicate a cause or potential cause of failure. Provision of detailed reports with a clear and concise review of findings and conclusions. Recommendations for future asset management.

#### **Renewable Energy Provider, UK**

Producing cable recovery plans and technical schedules to ensure that at each stage of circuit recovery and repair accredited / competent organisations and personnel are engaged to perform works in accordance with specified technical standards, Health & Safety requirements and customers documented quality procedures.

#### **Industrial Energy User, UK**

Electrical Infrastructure Audit and Maintenance Review. Determining the adequacy of existing maintenance regimes, training requirements, documentation and management systems relating to the Utilities Electrical Network in accordance with relevant good practice. Determine compliance with the requirements of Electricity Safety, Quality and Continuity Regulations 2002.

#### **Prysmian Cables and Systems (Wrexham)**

Quality Management at a market leading cable and component manufacturer. Familiar with tests & controls to verify product conformity. Maintaining an established and certified quality management system, quality control plans, quality audits and factory acceptance tests.

#### **Prysmian Cables and Systems (Wrexham)**

Managing the test department at a market leading cable and component manufacturer. Familiar with the testing of LV & HV equipment.

#### **Pirelli Cables Limited (formerly BICC Wrexham)**

Design of LV and MV cable systems. Providing technical and application engineering support for customers such as distribution network operators and large industrial users.