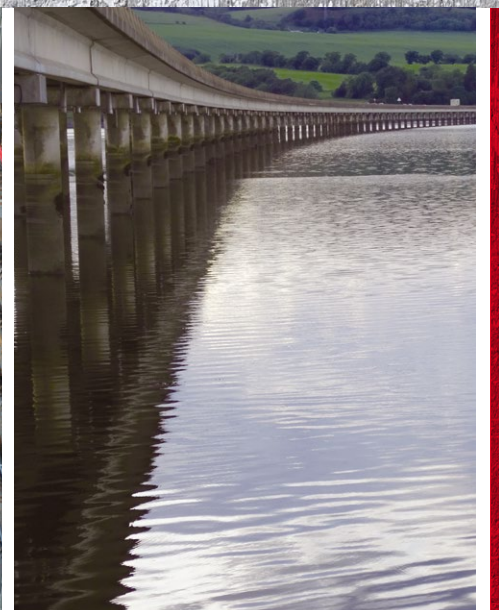




SUSTAINABLE TECHNOLOGY

Corrosion Control Services Limited operates across the UK, Ireland and around the world. For enquiries, technical advice, and to arrange inspection visits please contact us



SUSTAINABLE TECHNOLOGY

Corrosion Control Services Limited

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Cathodic Protection Specialists

Design | Install | Commission | Monitoring | Testing

A FREYSSINET GROUP COMPANY
FREYSSINET
SUSTAINABLE TECHNOLOGY

Cathodic protection, or CP is a technique used to control the corrosion of metal by making it the cathode of an electrochemical cell.

Concrete structures are often reinforced using metal bars, therefore it is crucial to protect the metal from corrosion, so it continues to support and strengthen the structure.

SPECIALIST KNOWLEDGE GLOBAL EXPERTISE CUSTOMER SATISFACTION

Corrosion Control Services Limited (CCSL) is a leading specialist in the design, installation, commissioning and monitoring of cathodic protection. Undertaking the investigation and diagnosis of corrosion-related deterioration and electrochemical rehabilitation, CCSL carries out works on reinforced concrete structures, historic and steel-framed buildings, ports and harbours and immersed pipelines.

CCSL delivers innovative, sustainable and appropriate solutions, while providing customers with the best technical and commercial outcome.

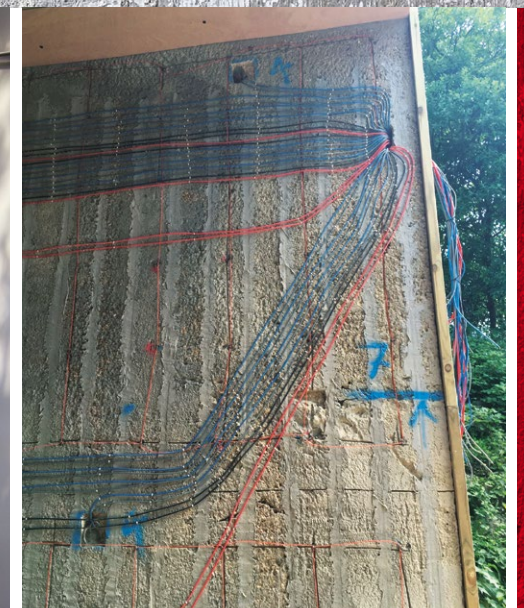
Utilising its specialist knowledge and experience, the CCSL engineering team is able to offer a professional service at competitive prices, ensuring works are completed quickly, safely and to the satisfaction of the customer.

CCSL personnel are experienced in the design, installation, testing, commissioning and monitoring of electro-chemical treatments, which include impressed current cathodic protection systems, galvanic anode systems and hybrid anode systems. In addition, they provide on-site supervision, documentation and advice on installation requirements for cathodic protection systems.

All CCSL engineers are certified to EN ISO 15257.

Contact us for all enquiries, technical advice,
and to arrange inspection visits.

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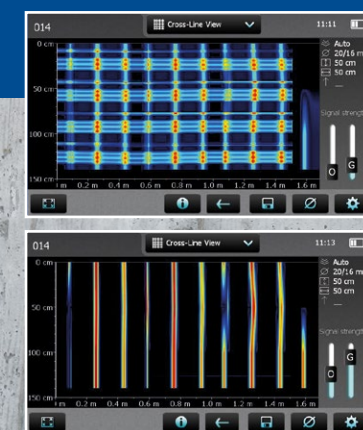
LATEST TECHNOLOGY

CCSL uses the latest technology for the assessment and installation of cathodic protection solutions.

For rebar assessment and corrosion analysis, CCSL uses the Proceq Profometer® 6, an advanced cover meter for precise and non-destructive measurement of concrete cover, rebar diameters and the detection of rebar locations. It provides accurate and comprehensive information and speeds up the reporting process.

The exact mapping of electrical potential measured on the surface of concrete allows the detection of areas with increased corrosion likelihood, and is an essential tool for the structural assessment of a concrete structure.

CCSL is often required to develop innovative and specialised solutions for complex projects, from busy motorway environments to offshore structures. Utilising cutting edge technology, we are able to determine and implement the most effective electrochemical solution and repair options.



© Proceq



OUR SERVICES

Corrosion Control

CCSL provides professional assessment, testing and reporting services, undertaking inspections of steel framed buildings and structures.

Using a range of intrusive and non-destructive testing techniques, together with UKAS accredited laboratory analysis, we are able to identify the nature, cause and extent of any deterioration. Testing includes:

- A visual and hammer test and 'make safe' where needed
- Reinforcement cover meter surveys
- Carbonation testing
- Dust sampling for Chloride analysis and cement content
- Core sampling for petrographic analysis
- Continuity testing
- CAD drawings
- Comprehensive reporting with repair solutions

Consultancy & Technical Services

CCSL offers specialist consultancy services for all aspects of cathodic protection. Technical support is provided by in-house engineers, ensuring an action-focused response to corrosion issues and practical cathodic protection advice.

Cathodic Protection Monitoring

Routine monitoring is the key to controlling long term repair and maintenance costs. The provision of inspection and testing services by CCSL is carried out by qualified Level 2 and 3 cathodic protection engineers, who ensure quality control systems are established for accurate reporting on asset management.

A review of monitoring reports and identification of corrosion issues enables design solutions and remedial works to be prioritised.

Design & Material Supply

The CCSL design team devise cathodic protection solutions for steel in concrete structures, and highway bridges, and pipelines for oil, gas and water utilities, ports and harbours.

To produce a detailed design, CCSL incorporates a specification, calculations, drawings and material requirements, allowing for the straightforward manufacture, installation and operation of the CP system, to the exact requirements of the specification. By offering a complete design, supply and install service, CCSL is able to ensure a durable and economic solution, improving the life span of the asset.

In addition, CCSL acts as a supplier of specialist cathodic protection materials for steel in concrete, natural water and soils.

Cathodic Protection Systems within Concrete Repairs

CCSL has specialist experience in the application of cathodic protection in concrete repair works, offering galvanic or impressed current CP solutions with discrete anodes, ribbon or, mesh overlay powered by transformer rectifiers. In conjunction with parent company Freyssinet, CCSL provides a complete repair service for industries and infrastructures all over the world.

