

Corrosion Control Services

Protective Coatings

Corrosion Inhibitors

UKAS Accredited Inspections

Impressed Current Cathodic Protection

Galvanic Cathodic Protection

Corrosion Monitoring



CRL is a Specialist Contractor

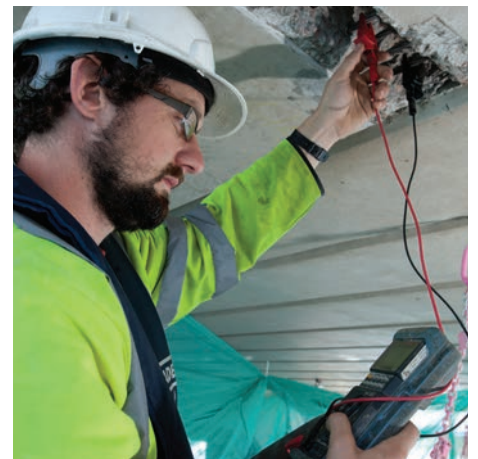
protecting your **vital infrastructure**

sustainable future
starts with understanding
our impact **today**

70 Years of Experience

CRL is a specialist contractor for the inspection and repair of concrete buildings and structures both in the UK and overseas based on 70 years experience in the industry. The service includes the design and installation of corrosion control systems to slow down or stop any steel reinforcement corrosion. CRL have been a leading installer and innovator

of corrosion control systems since the 1980s. As well as reinforced concrete we also supply systems for steel piles and sheet piles in marine environments using similar galvanic or impressed current CP. Our systems are designed in accordance with the European Standards EN12696 and EN12473 and installed by our ICorr Certified CP Engineers and Technicians.



Reinstating Integrity

Corrosion inhibitors are chemical compounds which are used in many industries to inhibit steel corrosion by forming a protective layer on the steel surface. The construction industry has been using these materials for over 20 years as an additive to concrete mixes. For the repair of reinforced concrete where there is a medium/low risk of

corrosion, inhibitors can be used by application in, or on the concrete surface. These materials migrate through the concrete cover to the steel reinforcement surface and form a protective layer. The materials may inhibit corrosion for 10-15 years before reapplication is required and should be used in conjunction with a surface coating.



Working to European
Standards **EN12696**
& **EN12473**
for **CP Systems**

Slowing Down Corrosion

Reinforced concrete which is carbonated can usually be treated using coatings and thin coat renders to stop the carbonation front moving further into the concrete. Coatings can also slow down the rate of corrosion activity which may already be occurring. Where there are high chloride ion levels in excess of 0.3% by weight of cement at the reinforcement a corrosion control system may be needed to improve the durability and service life of the concrete. CRL can design and install corrosion control systems and offers a range of systems to suit all situations and the client's objectives in terms of cost and service life.

Nothing is
so **important**
that it cannot be
done **safely** and
sustainably



Cathodic Protection Enhanced Durability

Cathodic protection is an industry standard for corrosion control of reinforced concrete. Galvanic or sacrificial systems use zinc or aluminium alloys which corrode in favour of the steel reinforcement. They can be used in concrete repair areas to stop corrosion around the repair which is known as the incipient anode effect or installed in sound concrete to stop or reduce the risk of corrosion across the whole structure. Galvanic anodes are consumed during the service life of the structure and may last 15-20 years before replacement is needed.



Renew | Protect | Maintain

LONDON & SOUTH EAST

Cathite House
23a Willow Lane
Mitcham, Surrey
CR4 4TU
020 8288 4848
london@crl-uk.com

NORTH EAST & MIDLANDS

Portland House
Britannia Road
Chesterfield
S40 2TZ
01246 544 900
chesterfield@crl-uk.com

SOUTH WEST & SOUTH WALES

The Old Boiler House
Burnett Business Park
Gypsy Lane, Keynsham
Bristol, BS31 2ED
0117 986 8088
bristol@crl-uk.com

AUSTRALIA

2 Rosebride Place
Truganina
VIC 3029
+61 3 9315 2807
contactus@crl-aus.com

SCOTLAND

Cathite House
31 Winchester Avenue
Denny
Falkirk
FK6 6QE
01324 821 400
falkirk@crl-uk.com

NORTH WEST & NORTH WALES

Bridgewater House
Old Coach Road
Runcorn
Cheshire
WA7 1QT
01928 567070
runcorn@crl-uk.com

KENILWORTH (CRL Surveys)

No.2, The Stables
46 Castle Hill
Kenilworth
Warwickshire
CV8 1NB
01926 515 430
kenilworth@crlsurveys.co.uk

NORTH EAST

Office 9
The Cadcam Centre
Highforce Rd
Middlesbrough
TS2 1RH
01928 567070
middlesbrough@crl-uk.com

crl.uk.com

