

Prestigious 1920's building in Central Manchester

PROBLEM

The prestigious 1920's building in the heart of Manchester was inspected by Martech Technical Services working in partnership with Corrosion Engineering Solutions.

The building was discovered to have an existing Impressed Current Cathodic Protection (ICCP) solution in place, but due to age, the power supply was no longer functioning, so there was no protection being provided to the steel structure.

There were found to be no original plans or drawings for the ICCP system or the placement of anodes. These had to be traced out. Plans were made to replace the whole solution, like for like.

SOLUTION

Duvine was recommended to provide the ICCP power supply resulting in the selection of the CP150 Rectifier Solution. The CP150 provides a centralised control and 'plug & play' capability with the necessary connections for the network of protective anodes inside the Steel structure.

The advanced telemetry systems in the CP 150 system also allowed for centralised monitoring and command of the ICCP, ensuring maximum efficiency and performance.

The system comprises 4 zones with up to 4 reference cells per zone, all controlled by one user interface, either on-site or remotely.



KEY BENEFITS

Through using Duvine's ICCP, our customer benefitted from:

- Compact and flexible installation capability, being able to work within the tight deadlines provided.
- Ongoing protection against corrosion, safeguarding this historic building
- Remote monitoring and control capability.
- Security from our ISO9001 status.
- A cost effective, scaleable and easy to use solution.