



SPECIALIST EXPERTISE, INDIVIDUAL SOLUTIONS





COMPANY OVERVIEW

DYNAMICS is an independent and innovative cathodic protection company. Our specialism is the bespoke design and manufacture of a wide range of high quality transformer rectifiers, remote monitoring and control with our own *SeDAC™* and related equipment. For over 30 years we have been involved at the forefront of advancements in corrosion control.



INSTITUTE OF CORROSION



CORROSION PREVENTION ASSOCIATION



Corrosion is an extremely widespread problem that requires constant control. It is an issue that affects a multitude of valuable resources, in a variety of industries, across many different environments. It is also such a diverse problem that it demands specialist understanding, individual and tailored solutions.

Our expertise has been proven across many industries and projects all over the world. We are proud to have developed a reputation for innovation, flexibility, reliability, quality, service and commitment. We design and manufacture our products in-house to specifically meet each customer's requirements - using our specialist expertise to develop individual solutions.





At **DYNAMICS**, we believe our services incorporate a number of key features that bring significant benefits to our customers:

Innovation ... our in-house design team strives continually to introduce improvements to our existing systems and develop new ideas, such as our *SeDAC*[™] monitoring and control system. The *SeDAC*[™] system is also available for retrofitting to existing cathodic protection systems.

Flexibility ... our transformer rectifiers are designed and produced individually to precisely meet your specifications.

Reliability and durability ... our units have operated in many conditions all over the world for more than a quarter of a century with an enviable record of trouble free operation and high life expectancy, leading to significantly reduced whole life costs.

Quality ... we operate under stringent quality assurance conditions, conforming to BS EN ISO9001 (2000). All our units are rigorously tested before despatch.

Service ... we keep comprehensive customer records going back for 20 years. If you have an existing Dynamics unit that requires maintenance we will be able to provide spare parts, or back-up, promptly and efficiently.

Commitment ... we pride ourselves on our ability to meet our commitments. To always deliver your order in full and on time.

DYNAMICS design and manufacture a wide range of materials and equipment for use within cathodic protection, monitoring and anti-fouling systems. We also offer a number of complementary services to ensure overall customer satisfaction.



Hazardous area unit



Oil cooled unit



Air cooled unit

Transformer rectifiers

Over the years, we have continuously built up and improved a large number of designs for transformer rectifier units, all of which are manufactured in-house by our team of specialist operators.

The units can be thyristor, variac or switch control. Thyristor control units are automatic, manual, or manual with constant current or constant voltage. Variac control units can be manual or motor driven. Switch control units are either 63 step, 25 step or 16 step. For lower output ranges we can also offer switch mode units if specified. All units can be air cooled, oil cooled or ventilated.

In addition we also produce transformer rectifier units that are suitable for use in hazardous areas. These can be for Zone 1 purged, Exe d or Zone 2 oil cooled.

We have a team of qualified installation staff available when required.

Ancillary equipment

In addition to offering complete transformer rectifiers, we have also developed and manufactured a comprehensive range of electronic modules which can be fitted to complement equipment to enhance overall performance and general operational duties. These items include junction boxes, resistor boxes, control boards, alarm boards and monitoring boards for 4-20 mA remote signals.



Monitoring and control

Our control and data acquisition services offer local and remote supervisory control and monitoring. These are total systems designed to application specifications. The systems were developed specifically for use in the cathodic protection industry so offer maximum performance - delivering the more difficult control requirements in addition to the standard monitoring services.

Dynamics own *SeDAC*[™] data acquisition and control system offers advanced total solution for computerised protection, control and monitoring. This utilises the best of Dynamics' proven technology and advanced web enabled systems.

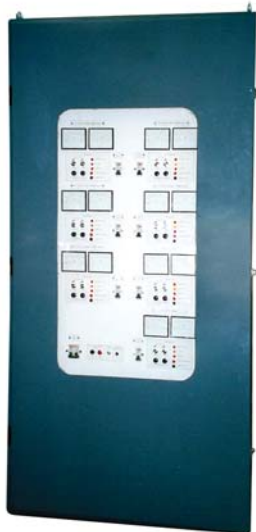
Dynamics can provide a number of systems to help monitor and control a variety of infrastructure e.g. concrete structures, tanks, pipelines, etc. These systems can also be fitted retrospectively to existing structures such as pipelines and tanks.

Anti-fouling systems

We also have significant experience of utilising our equipment for use in anti-fouling systems. The technology is well proven in reducing fouling across a variety of marine applications such as cooling systems on ships, intake cooling systems on power stations and out fall pipes.

After sales services

We are also able to offer a number of valuable services to complement our range of transformer rectifiers and related equipment. These include commissioning and advice. With our comprehensive understanding of not just our own, but also others' interfacing equipment we are able to offer a fast and expert fault finding service with back-up technical and diagnostic advice.



Anti-fouling unit



DYNAMICS have designed and manufactured transformer rectifiers over the years for use in a number of major projects covering many industries and applications, in many countries and environments, both hazardous and non-hazardous. Indeed, some of our equipment is operational after more than 25 years in service.

We are proud to have been involved in a number of unusual and prestigious projects over the years, for example, Spaghetti Junction at Birmingham, South Hook at Milford Haven and the new Container Port in Tangiers. Our equipment is currently in use in process plants, refineries, pipelines, power stations, oil fields, harbours and jetties across arctic, desert, jungle and marine environments. End users include oil and gas companies, ports, shipping companies, highway agencies, government agencies and many more.

At **DYNAMICS** we are extremely proud of our heritage, experience and independence. The in-house service we offer aims to incorporate innovation, flexibility, reliability, quality and commitment - using our specialist expertise to develop individual solutions for our customers.





Dynamics CP Ltd., Unit 1, Evercreech Way, Walrow Industrial Estate,
Highbridge, Somerset TA9 4AN, United Kingdom

T: +44 (0) 1278 780222 **F:** +44 (0) 1278 781824 **E:** sales@dynamicscp.com

www.dynamicscp.com