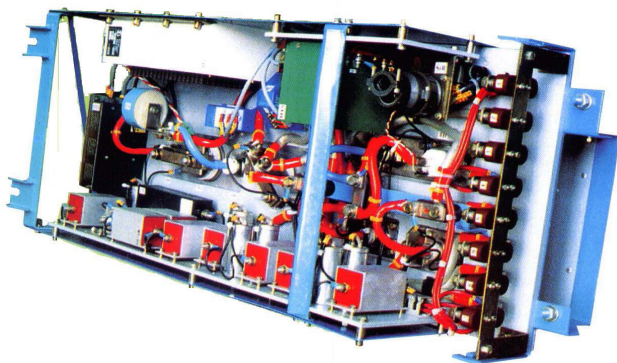


## Traction Services

With over 60 years of experience, our dedicated team of design engineers can deliver solutions to a wide range of design problems from simple trackside rectifiers to complex propulsion converters



## Refurbishment Services

Despite the need for new and evolved systems, there is still a huge demand for refurbishment of established designs.

At IXYS UK, we can offer a full overhaul and refurbishment program for your power electronics, including replacement of existing SCR parts that may have reached the end of their life, supporting components such as snubbers and gate drives and metalwork including heatsinks and clamping mechanisms.

Our refurbishment service includes full, detailed engineering analysis, test and measurement through to delivery and validation of refurbished equipment.

## Traction Services

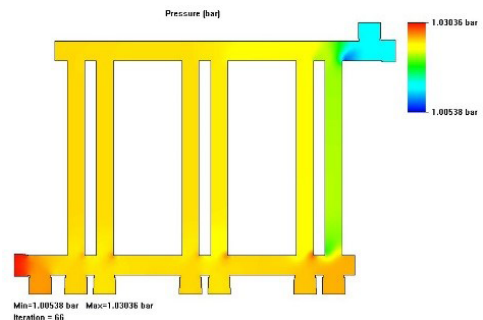
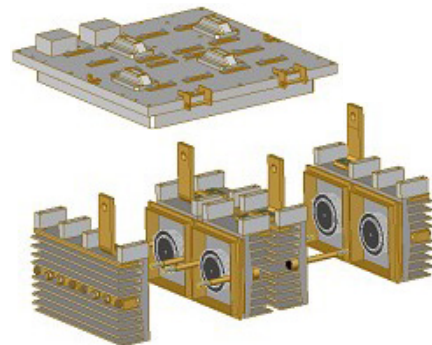
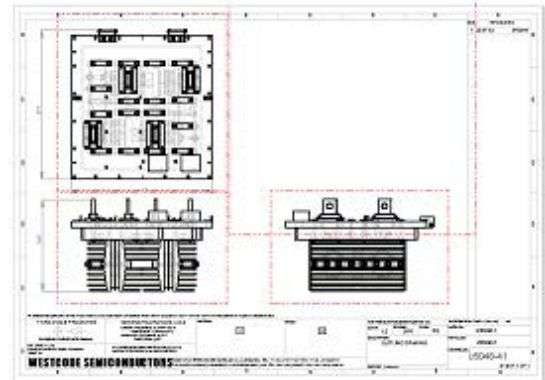
**From concept through development and manufacture to after sales support, we believe strongly in working closely with our customer every step of the way – extending our philosophy of teamwork beyond our own organization**

We understand that good communication and close collaboration help us provide the very best service to our customers

Using the latest 3D modelling techniques, we can visualize concepts and check form, fit and function with virtual prototypes. Also, utilizing advanced software packages, IXYS UK can carry out simulation modelling, allowing us to model pressure drops through coolers/manifolds and heat flows through heatsinks.

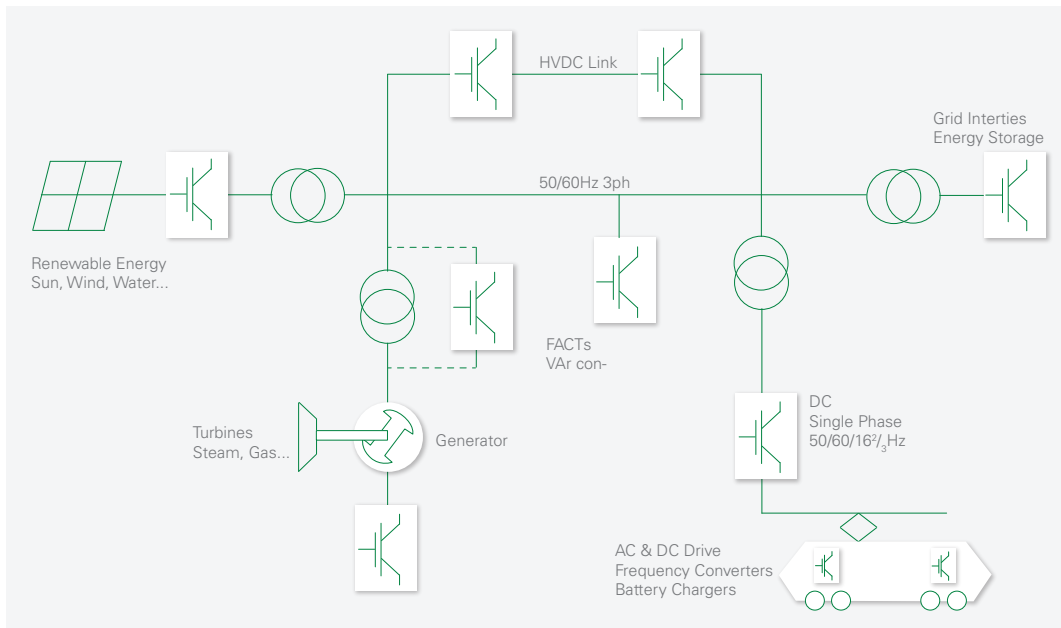
Whether finding solutions to complex engineering problems or simply manufacturing to your designs, you will find IXYS UK offers outstanding value for money, excellent quality and first-class customer service.

By working closely together from the very start of a project we aim to provide the best solutions on time and in budget



# Traction Services

Powering transport from generation to locomotives, our products are hard at work around the globe providing reliable energy control



Power semiconductor are at the heart of any power electronics system. Our portfolio of “tried, tested and trusted” power semiconductor devices and skills in applying them make us the logical choice for you power electronic traction needs. IXYS UK’s extensive range of discrete components are used throughout the rail industry and its infrastructure.

IXYS UK has a broad range of high-power semiconductor devices available ranging from simple rectifier diodes to state-of-the-art press-pack IGBT’s.

		Traction Applications										
		Rectifier Diodes	Fast Recovery Diodes	Phase Control Thyristors	Medium Voltage Thyristors	Fast Switching Thyristors	Gate Turn-Off Thyristors	Press-Pack IGBT's	Capacitors	Fuses		
Propulsion	Input Rectifiers	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	DC Motor Control		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	AC Motor Control		✓			✓	✓	✓	✓	✓	✓	✓
	Voltage Regulation			✓	✓	✓	✓	✓	✓	✓	✓	✓
Auxiliaries	Coach Services	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Motor Drives for Goods Freight Vehicles	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
	Lighting / Heating / Air Conditioning	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
	Battery Chargers	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
	Brake Compressors	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
	Crowbars and Safety Devices			✓	✓	✓	✓	✓	✓	✓	✓	✓
	Circuit Changers			✓	✓							
	Galvanic Protection			✓	✓							
	Trackside Sub-stations	✓		✓	✓					✓	✓	✓



## Traction Services

In addition to our power semiconductor range, we have an extensive range of complementary products such as; heatsinks, mounting clamps, capacitors for power electronics, ultra-rapid semiconductor fuses, gate drive units and more...

