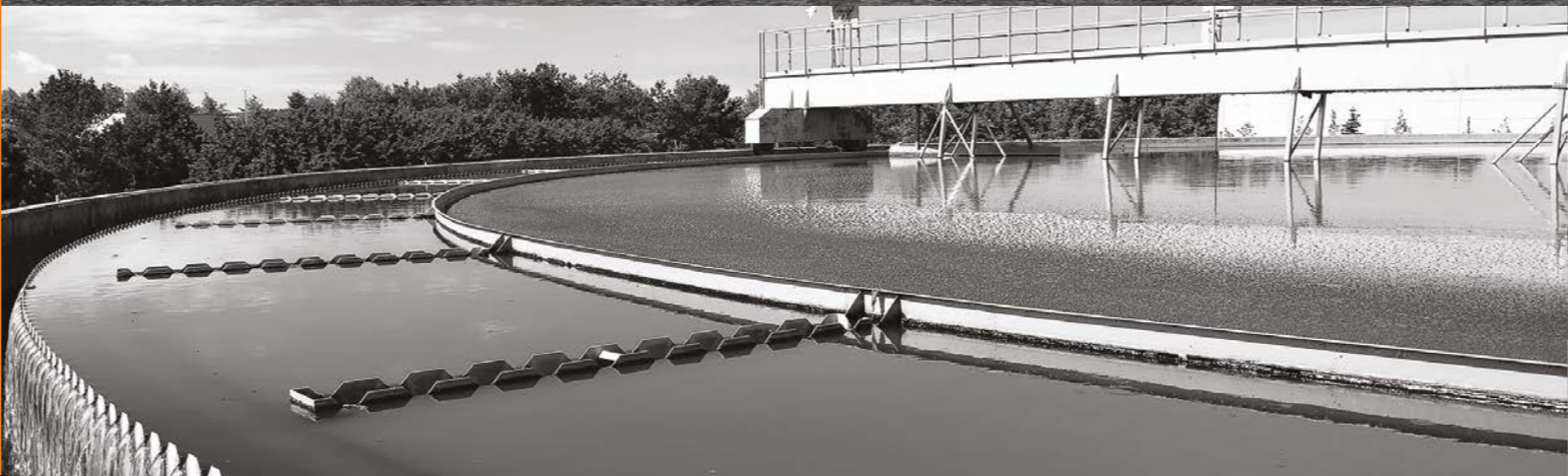


Royston continue to invest in the right equipment and experienced engineers to make them the premier independent sales and repair focussed diesel power generation company in the industrial, marine, offshore, defence and rail sectors

- A genuine 'one stop' option for all your diesel power and generation needs
- A highly skilled team with expertise across multiple disciplines
- Rapid, efficient and affordable delivery of OEM standard service
- Close associations with OEMs ensures genuine spares... every time
- On line visibility of engine maintenance with our Asset Register



Maintaining a through-life relationship...
...with your assets

On site, on board, on track...
Royston
diesel power

Who We Represent

MEDIUM SPEED

HIGH SPEED

TURBOCHARGER

Accreditations

Additional Experience

B&W

Bedford

Caterpillar

Detroit

Dorman

EMD

English Electric

Fiat Iveco

Ford

Lister

MAK

MAN

Mirlees

MTU

MWM

Paxman

Rolls Royce

Ruston

Wartsila

WH Allen

Woodward & Bryce

Yanmar

royston.co.uk

Workshop Overview

A workshop facility offering an unparalleled level of equipment and experience

1 Engine Refurbishment

Royston have been carrying out engine refurbishments, since the company was founded over 35 years ago.

- Our skilled engineers come from a wide variety of OEM backgrounds.
- Our engineers have access to OEM training facilities and online courses.
- We have an extensive technical library collating various OEM literature.
- Calibrated tools and equipment are used throughout the refurbishment process, and the assembly methods are strictly adhered to those set by the OEM's.
- Every phase of the refurbishment process is recorded, including all measurements.



- Each refurbishment is subject to a final in house dynamometer test, to ensure they meet the performance and original OEM specification.

2 Dynamometer Testing

Our test facility has two dynamometers capable of testing all types of engines up to 2000 BHP.

During testing we can monitor a range of parameters including oil temperature, water temperature, turbo boost pressures, fuel consumption and emissions which are recorded and measured against OEM standards.

All engine data is recorded and stored on our asset register and the information is available online to our customer's upon request.



All machines are variable speed allowing a range of cross hatch angles (degrees).

3 Honing

Both fixed and portable machines capable of honing up to 600mm bore and full range of cutting and polishing stones from diamond through to cork to achieve any requested finish roughness (RA) reading.

4 Turbocharger Refurbishment

Royston are a Napier Authorised Service Centre covering all types of turbochargers to include 5 and 7 series and older SA/MS/HP frame sizes. Our engineers are Napier trained and highly motivated with over 35 years experience working on board vessels or in our fully equipped workshop, providing assistance 24/7.

Our expertise and product knowledge of turbochargers, enables our engineers to carry out repairs on all types of turbochargers including ABB, Cummins, MAN and Yanmar.



All turbochargers are inspected and refurbished to OEM specifications which includes rotor shaft balancing and genuine service parts fitted as standard.

5 Parts

We hold an extensive range of spares in-stock and as main agents/distributors for the leading OEMs we have instant access to their online parts and ordering systems. Our parts team are on hand to identify or interpret your requirements to help ensure that the correct spares are available to meet your needs.



6 Fuel Injection

7 Fuel Pumps

We have made significant investment in our test facility enabling the testing and overhaul of all types of marine, industrial and commercial equipment.

All our engineers are highly skilled with over thirty years experience and are trained to repair all aspects of fuel injection equipment including Bosch, Cummins, Stanadyne, Woodward and Zexel equipment.

- We digitally calibrate fuel pumps ensuring fuel delivery meets OEM specification.
- Our heavy duty marine test bench is capable of testing larger single cylinder fuel pumps, including: Bergen, Cummins, L'Orange, MAK, MAN, Wartsila etc.



8 Machining

Alongside general purpose lathe machines and drill machines we operate specialist valve and valve seat cutting and grinding machines. All of our Chris-Marine machines are portable allowing us to bring our workshop to you.



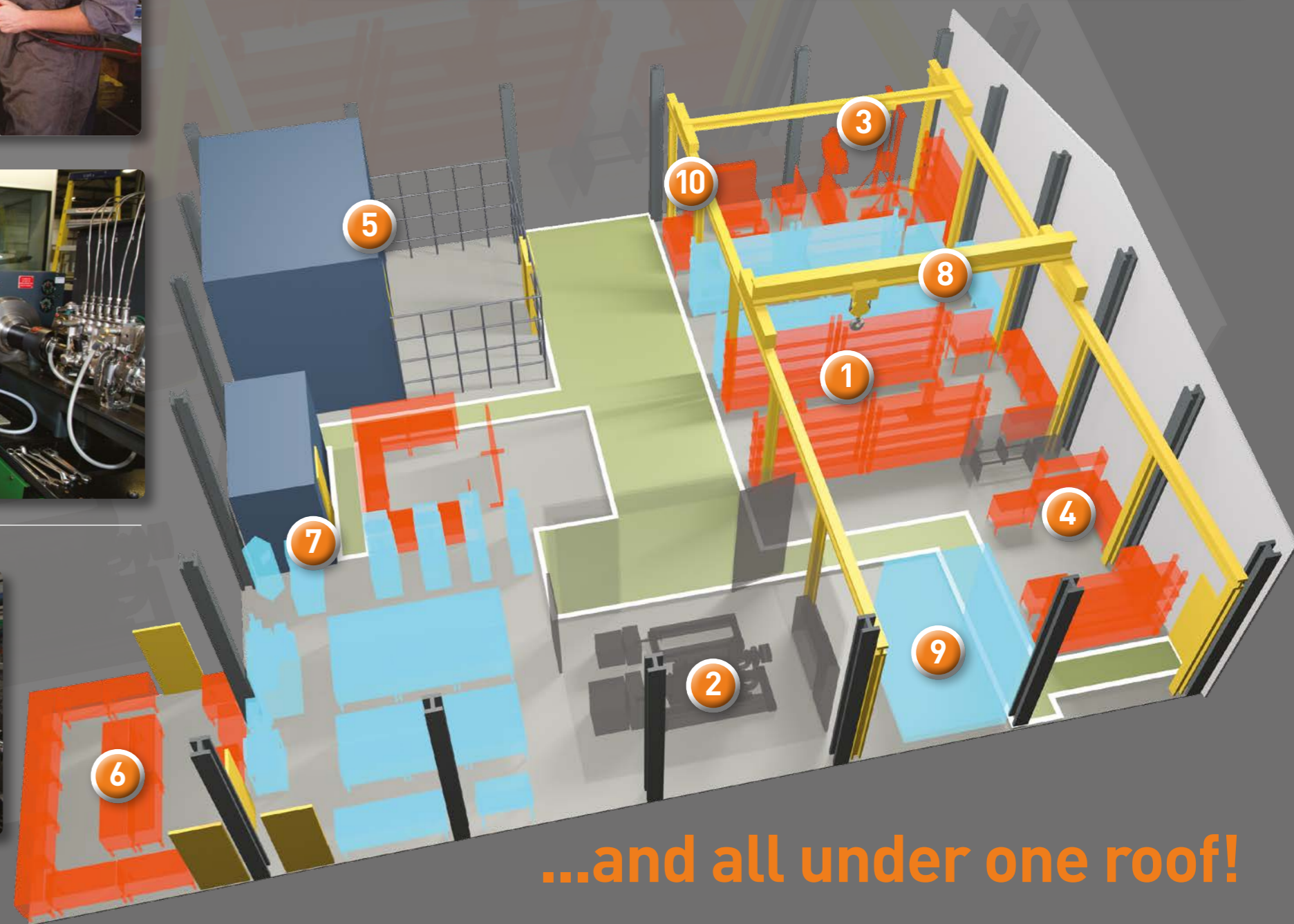
9 Spray Painting

On completion of repair or refurbishment components and / or engines are spray painted before final reassembly and dispatch to the customer as new.



10 Cleaning

All components are disassembled and thoroughly cleaned in our dedicated cleaning bays prior to refurbishment.



...and all under one roof!