

REN  **ZERO**

Elliot Connell, UK Sales Manager

Renewable Parts

Building the Circular Economy Supply Chain

Steps to Net Zero for Business



Renewable
Parts Ltd

Building the circular economy supply chain



About Renewable Parts

- Operations Hub in Renfrew & Innovation Centre in Lochgilphead
- Over 10 years of experience in supply chain management and expertise across major turbine brands including Vestas, Siemens, Nordex, and Enercon

136,000

Items travel through our supply chain annually

125t

Of material diverted away from landfill and scrap

365tco²eq

Of carbon emissions reduced since 2019

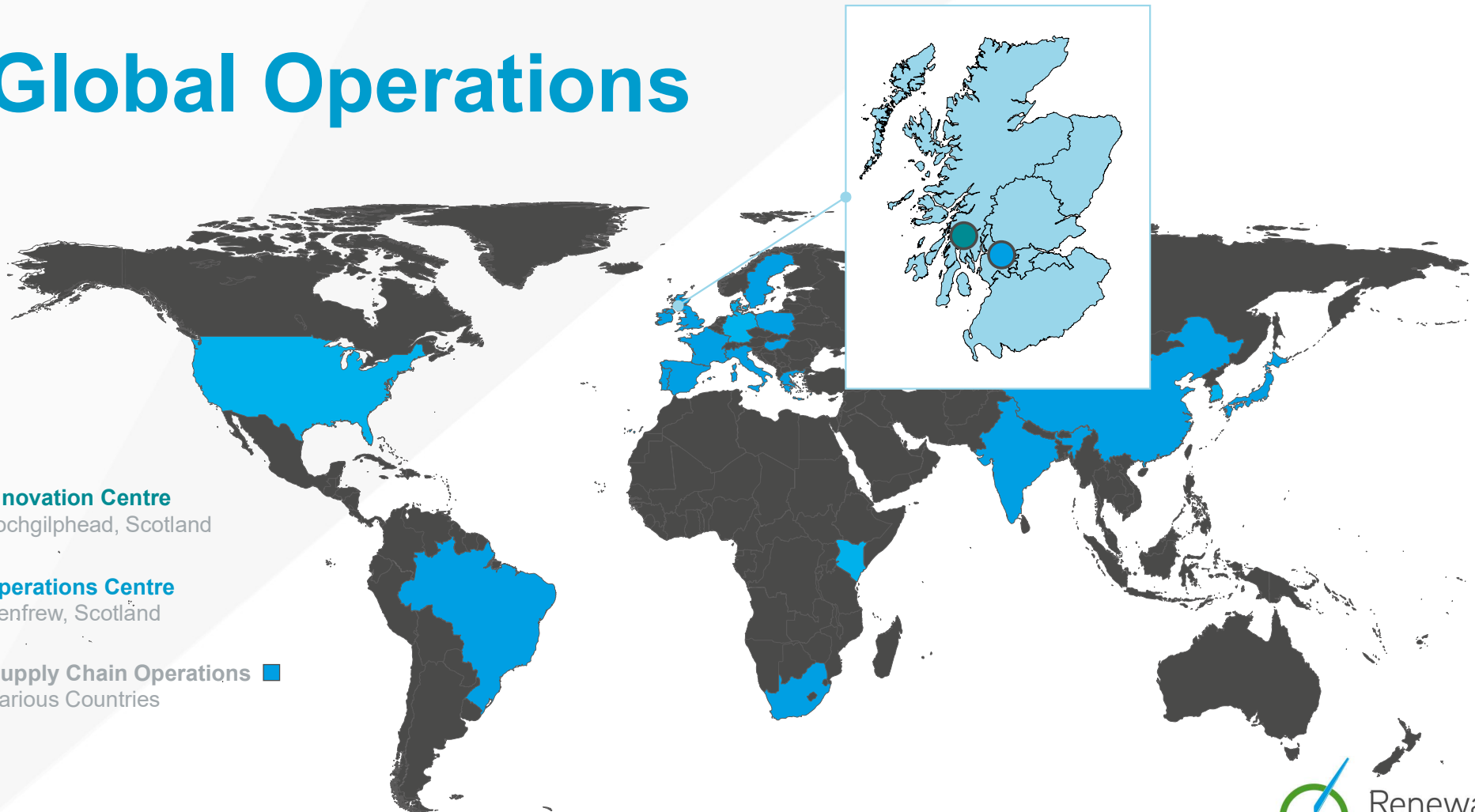
2600+

Turbines are currently supported across our global supply chain



Renewable
Parts Ltd

Global Operations



Innovation Centre
Lochgilphead, Scotland

Operations Centre
Renfrew, Scotland

Supply Chain Operations ■
Various Countries



The uncomfortable truth



The wind industry is a green energy source, but the aftermarket remains largely non-green



Linear procurement practices remain deeply ingrained for minor parts



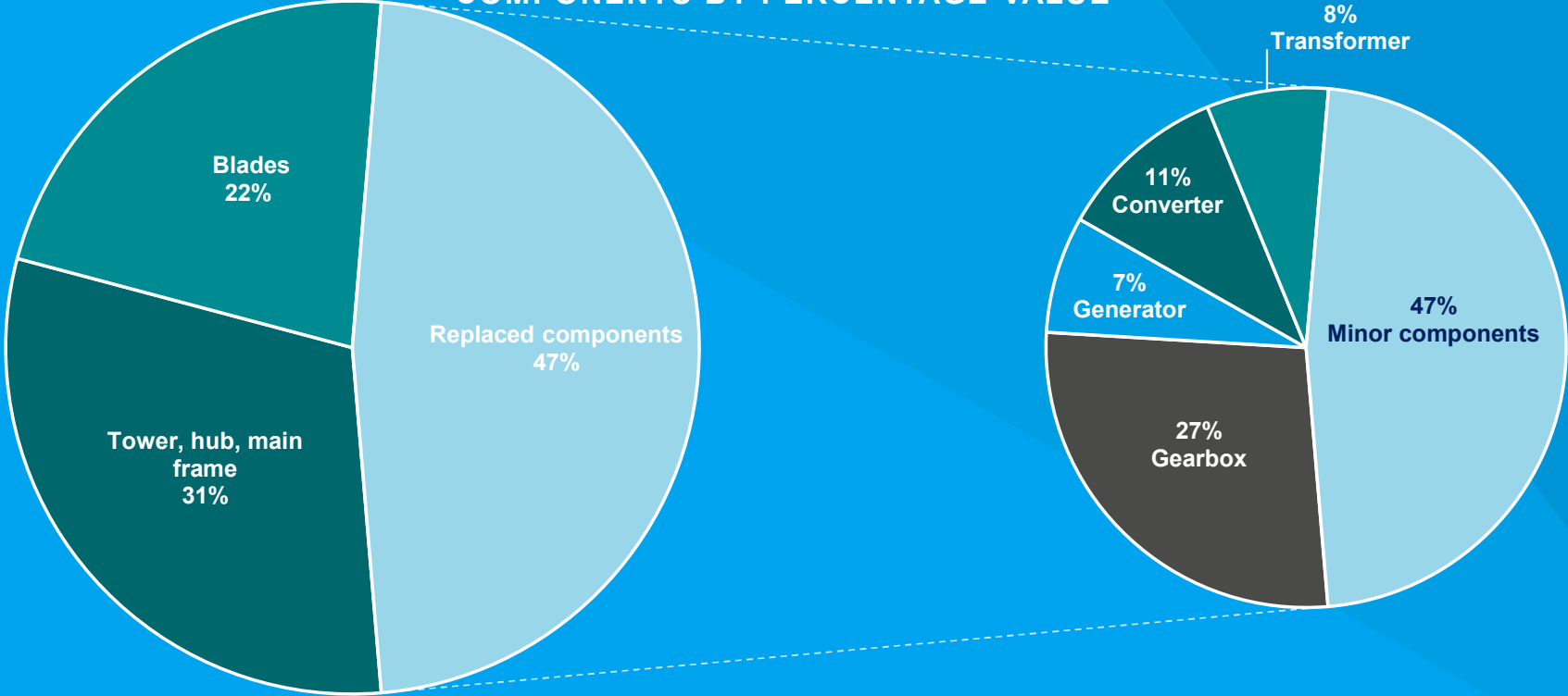
The opportunity to embed greater sustainability within the aftermarket has substantial benefits



But this requires a complete change of culture and a willingness to invest in circular economy technology

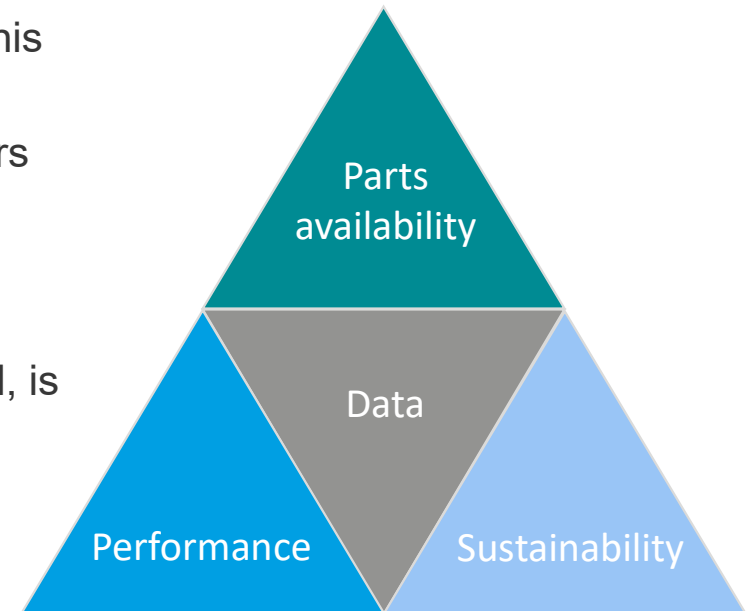
Developing sustainable parts solutions

COMPONENTS BY PERCENTAGE VALUE

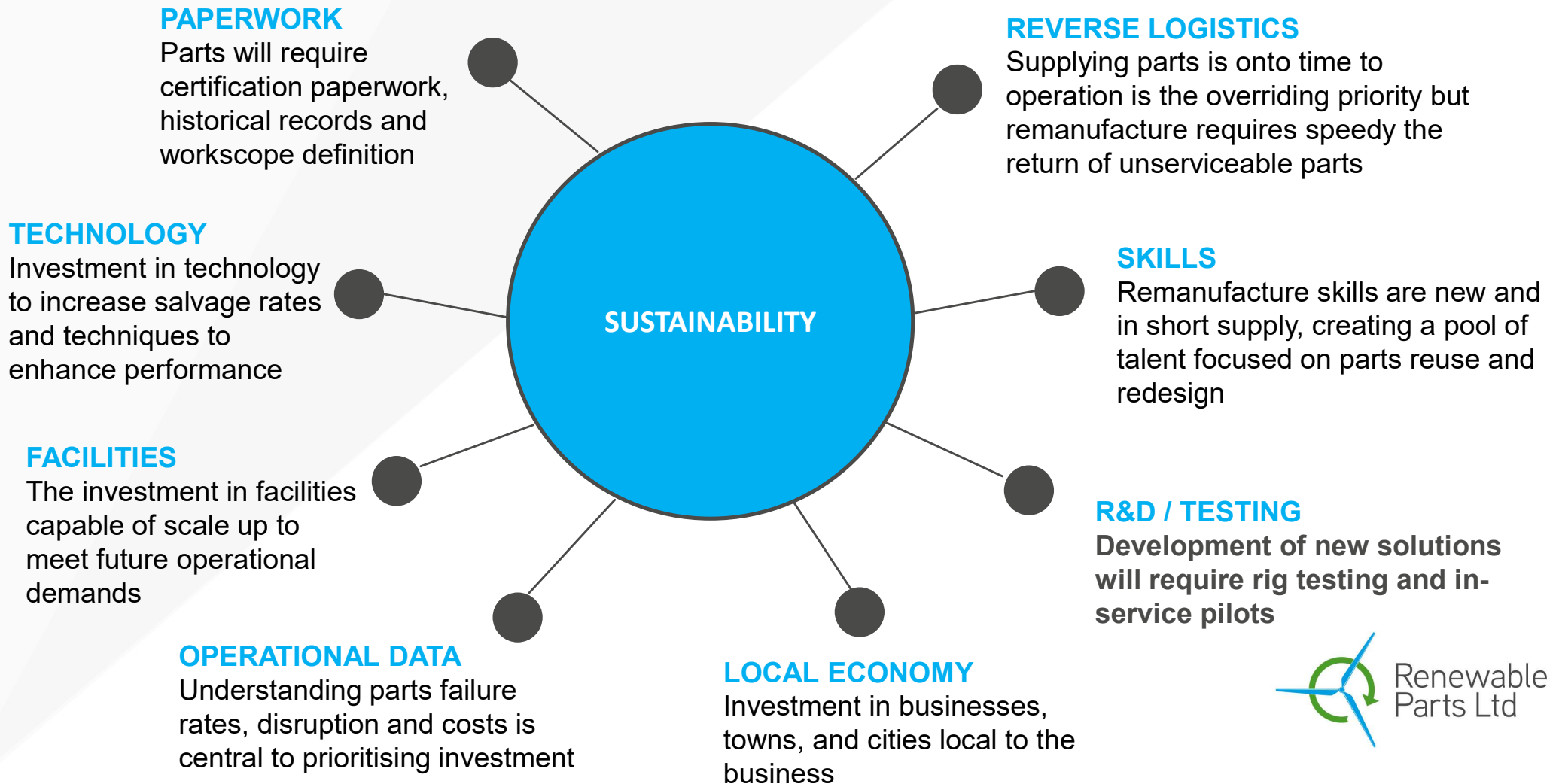


Value model for parts reuse

- Our commitment to net zero created major impetus to become more sustainable; the application of parts reuse is entirely consistent with this vision
- But to make parts reuse the default option for operators several factors must be addressed
- Parts availability must be sufficient to make it operationally expedient and scalable
- The sustainability benefits of reuse must be tangible and monetarised, is this about cheaper parts or lower aggregate cost
- And perceptions around performance and technical rigour must be overcome. And with modern technology enhanced performance is possible
- **But it all starts with data, both operational, technical and design – we need cooperation to move faster**



The enablers



Conclusions

- The opportunity to develop a “reuse” parts industry within Scotland is enormous and poised to be developed
- The transition has begun with significant progress over the last three years; CWIC will accelerate an industry wide move towards parts reuse
- Scale-up will require major investment in technology, skills and infrastructure, across multiple businesses
- There are successful precedent models to work from, but strong collaboration across industry, academia and government will be key to success
- We are only limited by our ambition and imagination; we must be bold and take a long-term view to realise the potential

