



## Application to Construction Leadership Council Business Champion

- Why is making progress on Net Zero important to your business?

Our business is about our products and JCB is working to help our customers achieve their net zero ambitions whilst redesigning our manufacturing processes and product offering to ensure we reach our 2050 goal. As our customers progress on their off-road zero commitment, the JCB offering will ensure our products and enhanced software will play a part of the site of the future.

- Which of the 9 priorities are more relevant to your business and clients and why?

Whilst all are relevant to JCB, our products can make an immediate difference for our customers in addressing the first three priorities.

Number 1 is most relevant to our customers and our machines can help them and the construction sector reach their 2020 and 2030 goals through the provision of clean technology and innovative software.

MMC and reducing waste and unnecessary vehicle movements is vital. JCB has programs to look at our resource and energy efficiency and would look to share our knowledge and learnings with our customers and their clients in the construction sector.

In line with the first, the third priority is important as JCB seeks to support the transition to a low carbon economy. In order to facilitate this, we are demonstrating technology that will require infrastructure development to implement this. Working with the industry we can collaborate and ensure sites are ready for the future and the various ways of powering zero carbon NRMM. JCB has developed accurate carbon measurement which is essential to delivering zero carbon projects and supply chains. JCB has been supporting its customers for a number of years in this area with the provision of live telematics and fuel use.

- What are doing to make progress against the relevant priorities (of the 9) in the short and long-term? (Could include targets or milestones)

We have committed to the science-based targets across manufacturing, supply chain and product.

Over a number of years, JCB has taken steps to reduce the carbon footprint of our global manufacturing facilities and supply chain, investing in energy efficient lighting, pumps, and motors and in recent years, installing renewable energy. JCB also sources renewable energy for all our factories.

Across the supply chain, JCB is working to introduce a supplier development and assessment program for sustainability and reducing carbon emissions with our logistics suppliers, through increased container utilisation and transportation of fuels for example. We also have a waste reduction program focuses on packaging and its ability to be fully recycled.

Our products have evolved to use less fuel, with 10 machines now fully electric and with great progress with hydrogen. JCB has produced the world's first hydrogen powered 22 ton excavator and recently showed the world's first hydrogen motor in a backhoe loader.

- How have you helped your supply chain understand what is required against the 9 priorities?

We have hosted supplier conferences on sustainability and work with them to share good practice. The supplier assessment tool is the key factor in driving supply chain engagement, and we will be adding clauses and audit procedures to logistics contracts to ensure they cooperate in delivering our net zero ambitions. JCB dealerships are investing in a fleet of electric vans to deliver parts across urban areas with zero CO<sub>2</sub>.

JCB Service has run a parts and component remanufacturing service for a number of years, ensuring circularity of major components.

We also run take-back schemes for tyres and rubber tracks for recycling across the UK.

- As a business leader what do you think the biggest challenge is and how are you working to overcome it?

Thinking differently. The construction industry must be ready to adapt to the site of the future and plan the new infrastructure required for zero carbon plant from an early stage of planning. The supply chain needs to embrace and promote new ways of powering the machines and not rely on legacy

technology and we need to work together to approach construction projects with an open mind.

- In your view what is the one innovation or change that is going to have the biggest impact on carbon or progress in our industry?

Green hydrogen which has been prescribed by the CCC for powering NRMM. (UK Gov is actively considering the accelerator subsidy that is needed to ensure that the manufacturing and distribution of green hydrogen takes its place in the renewable and carbon free future)