



# INDUSTRY ZERO

Sustainable solutions to help industrial businesses achieve net zero



# WHAT IS INDUSTRY ZERO?

**The UK government has set a target for all sectors of the economy to reach net zero carbon by 2050. Many manufacturing and industrial trade associations and industry bodies have set even more challenging deadlines. There is also pressure to decarbonise from consumers, who increasingly seek carbon-free products.**

For energy-intensive organisations, the scale and scope of measures required to eliminate carbon represent a major challenge.

Energy-intensive production processes are the core activities of these businesses, which means decarbonisation has far-reaching implications for the operational efficiency of the entire organisation. Successful decarbonisation can therefore be highly beneficial, helping to introduce process improvements,

reduce costs and increase output. But success requires considerable investment in time and resources. Decarbonising heating systems is especially challenging and costly, particularly for businesses without access to a hydrogen network.

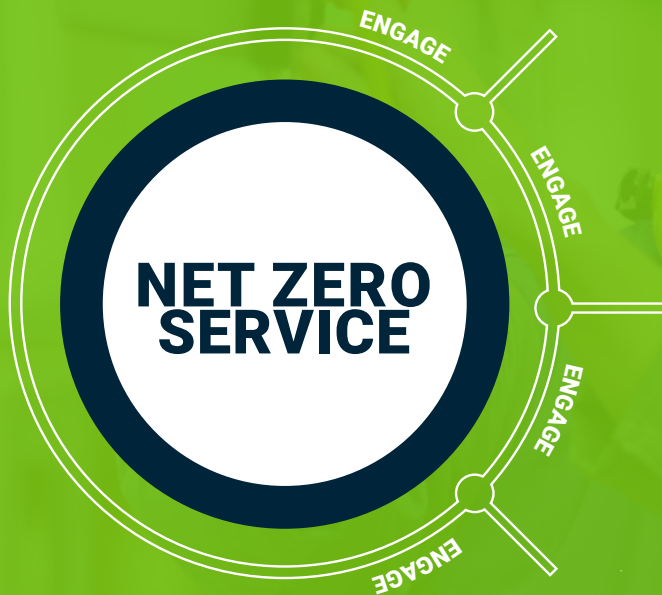
With so many challenges to overcome, manufacturing and industrial businesses urgently need specialist help to meet their decarbonisation targets. Industry Zero is the innovative carbon-reduction solution offered by EQUANS to help businesses fulfil their net zero ambitions.

Through Industry Zero, we offer our sustainable energy expertise which we can combine with our facilities management capabilities to save energy, increase sustainability and cut carbon emissions for energy-intensive organisations, helping them to optimise their decarbonisation programmes.



# HOW DOES THE **PROCESS WORK?**

We follow the PAS 2060 Specification for the Demonstration of Carbon Neutrality framework approach, which involves analysing emissions, developing fully costed plans, and implementing targeted solutions to achieve net zero carbon.



**CLICK ON THE BLUE AREAS TO READ ABOUT EACH STAGE OF THE PROCESS**



# HOW DO WE DELIVER NET ZERO CARBON?

Achieving net zero carbon requires a coordinated programme of actions to tackle the sources of carbon emissions across your operations. In partnership with you, we adapt your premises, sites and assets, refine your operational processes and introduce sustainable sourcing. We determine the optimum approach and implement a manageable programme for your business.

Decarbonising involves initially maximising energy efficiency, without compromising your production processes or the quality of your products. Where possible, we replace existing equipment and assets with more energy-efficient versions, and find viable ways to decarbonise your heat systems. We also look at energy sourcing, helping you procure electricity from renewable sources, or installing on-site renewable generation and battery storage.

We help to manage capital investment programmes by connecting you to appropriate sources of funding. EQUANS can also provide direct funding for capital investments, with repayments made directly from the savings achieved or from the sale of surplus site-generated electricity to the grid.

At the planning stage, we provide clear whole-life cost calculations for every scheme we propose, along with return on investment figures – so you can properly assess the financial implications, carbon savings and long-term benefits.

## SOME OF THE MEASURES WE MAY IMPLEMENT INCLUDE:

**Energy efficiency** – introducing energy-efficient assets and systems, such as LED lighting, compressed air and refrigeration systems, and changing operational practices and manufacturing processes to optimise energy use.

**Decarbonising heat** – sourcing green gas for heating, installing on-site or off-site renewable heat generation plant (e.g. biomass, hydrogen, anaerobic digestion, waste heat recovery) or connecting to local heat networks.

**Green power** – sourcing electricity from renewable generators, installing on-site or off-site renewable generation facilities (e.g. solar PV) or setting up corporate power purchase agreements.

**Battery storage** – installing batteries to store electricity generated on site, providing resilience and supporting load management at peak times.

**Fuel conversion** – transitioning fleets to electric vehicles and introducing hydrogen or hydrogenated vegetable oil (HVO) fuels for larger vehicles.

**Offsetting** – tackling residual emissions by funding certified carbon-offsetting schemes.



## SET YOUR SIGHTS **ON ZERO**

**To begin your journey to net zero with  
EQUANS please contact us today:**

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