

Challenges:

As a multidisciplinary Engineering, Procurement, Construction (EPC) firm, Trant face complex sustainability challenges, ranging from green design to sustainable procurement to site-based biodiversity schemes.

Some challenges however, are present throughout all operations, not least planning for and executing an energy management strategy to reduce monetary and carbon costs. In doing so, Trant are active in driving the sustainability agenda; this is achieved internally and externally (through collaboration with clients, partners, and subcontractors).

In planning for and developing an effective Energy Management System, Trant have faced two primary challenges:

- Continually improving results in Scope 1 & 2 emissions
- Collecting specific and meaningful data for Scope 3 emissions.

While Coronavirus has brought challenges to the industry in 2020; Trant have been determined to maintain sustainability as a business priority. Environmental Forums continue to be held whereby Senior Managers shape the direction of and ensure investments for improvements to the Environmental Management Programme in practice.

Impact:

With regards to direct emissions, effective data gathering has allowed insight into key consumption patterns throughout our operations. When 'normalised' through application of intensity ratios such as revenue and headcount, we have come to understand that site fuels and Company owned fleet constitute the most significant energy aspects.

Primarily through a communications and awareness programme, Trant achieved:

- A saving of 104 tonnes of CO₂e from our fuel usage in 2019
- A total reduction of 275kg of CO₂e per £100,000 turnover in 2019.

In order to drive improvements further, Senior Managers have established an Energy Management Team, who operate with the aims of:

- Developing an Energy Management System to ISO 50001
- Continuing to reduce site fuel and fleet consumption in monetary and carbon terms
- Integrating indirect emissions into our energy management programme

While our efforts to carbon footprint Scope 3 emissions effectively are in their infancy, quantifying waste and aggregate data in particular, have improved awareness as to the impact of construction operations and the urgency to collect accurate data and make improvements at pace.

Fact box



Company

Trant Engineering

No of employees

589

HQ

Southampton

Website

<https://www.trant.co.uk/>

Main contact

Callum Lydon – Environmental Advisor

Services

Engineering, Procurement, & Construction (EPC) sectors including energy, process & water, oil & gas

About

We are a dynamic, multi-discipline company providing innovative, technology-led solutions to complex engineering challenges across the globe.

Through collaboration with our strategic technology partners and enhancing our in-house design and manufacturing capability, we have aligned the company to be at the forefront of engineering excellence.

Value gained:

Engagement with the School has helped communicate key energy issues within the business, not least the importance of carbon footprinting. Making use of key resources and noting the wider level of industry engagement with the school has reinforced the importance of tackling sustainability challenges head on in order to ensure the sustainability of businesses as well as the Planet.

In line with the example given above, Trant's Environmental Advisor has completed the School's 'Carbon Reporting' module and communicated key messages to our Environmental Forum. Within this forum every attendee is now signed up to the Supply Chain Sustainability School in order to make use of resources relevant to their role in the business.

In addition, Trant's Environmental team attended the School's Climate Action Group webinar on 01/12/20. Making use of the sustainability tool will allow us to improve our data gathering and reporting methods which will strengthen our Energy Management System.

As such, Trant highly value membership to the School and recognise the importance of maintaining engagement in order to help achieve our Environmental objectives.