

Cornwall Energy Recovery Centre

Taylor Woodrow/VINCI

Cornwall Council

Over £3m new

£145m

A Joint Venture between Taylor Woodrow and VINCI Environment; VINCI Environment UK, has delivered the state of the art Cornwall Energy Recovery Centre (CERC). The approx. £145m contract saw the team deliver a key facility in supporting the County's integrated approach to waste management. CERC, constructed for client Cornwall Energy Recovery Limited, is operated by SUEZ Recycling and Recovery UK. It will be able to treat up to 240,000 tonnes of residual waste each year and export electricity to the grid equivalent to the annual average consumption of more than 21,000 households.

Innovation has been key to successfully overcome the many technical and construction challenges that have presented throughout the project. These included the construction of special foundations for the stacks and steam turbine, complex architectural features, lifting equipment weighing up to 160T into a tight structure, and programming a complex centralised control system to allow the automated operation of the plant.

Sustainability and minimisation of the environmental impact of the project throughout its lifecycle has been a strong focus for the team. Measures include the use of locally sourced products such as Cornish granite, minimising CERC's water consumption through rainwater harvesting, and using a sedum roof to contribute to the local character and provide a permanent habitat.

All of this has been achieved whilst taking care of our people and ensuring that everyone goes home safely each day. This is our primary aim on each of our projects and at CERC it saw the team work a million hours accident-free, a fantastic achievement given the ever-changing risks introduced by the dynamic nature of the work.

VINCI Environment UK is truly proud of delivering this world-class facility that will deliver lasting benefits for the local community for years to come.