The stone used at the onshore Triton Knoll substation will be transported to the adjacent National Grid Viking Link interconnector project

Working toward zero waste

Within our Zero Harm Framework and the relevant building blocks, we are working toward zero waste to landfill. We aim to achieve this through the reduction of our material use and circular economy approaches.

In the UK, two Siemens Energy projects collaborated to reuse and recycle stone for their construction sites. Around 8,768 metric tons of stone, enough to fill almost three Olympic-sized swimming pools, previously used to build a temporary access road and site accommodation for the Triton Knoll onshore substation works, was moved to the neighbouring National Grid Viking Link interconnector project. The initiative saved more than 58 metric tons of CO_2 in total, the equivalent of the CO_2 generated by heating 20 homes for one year.

In Brazil, the EHS environmental team has been working to reduce material waste through environmental education, innovation, and use of renewable waste disposal technologies. These include industrial biodigesters such as those installed at the Jundiaí and Santa Bárbara D'Oeste's cafeterias in August 2021. The biodigesters turn organic waste into sewage, reducing around 5 tons of waste a month. Through all our efforts, we ensured that 86% of the waste generated at our Brazilian sites in 2021 were sent to recycling facilities; by the end of 2022, we want to achieve the landfill-free target.

In the US, the Siemens Energy facility in Rural Hall met its goal that no solid or hazardous waste should be directly disposed of in landfill. Today some 80-90% of the facility's waste by weight is recycled and repurposed into another product. At the Orlando campus of Siemens Energy, the external building management company CBRE and the internal GREEN Employee Resource Group have collaborated on acquiring a vendor to compost the cafeteria's food preparation scraps. The organic waste is collected once a week and composted off-site.