



#### Location

Teesside

#### Client

Kier Infrastructure

#### Engineer

Baker Hicks

#### Architect

Baker Hicks

#### Tonnage

470

#### Completion date

January 2023

## RWE Sofia Offshore Wind Farm: onshore converter station Teesside

**Severfield undertook the design, fabrication, treatment, and assembly of the steel frames for the onshore converter station for the Sofia offshore wind farm. Sofia is a major new wind farm being developed by RWE at Dogger Bank. Additionally, we provided the cladding support system; metal deck and site paint touch up for the buildings. The work we delivered for the onshore station in Teesside, showcases our comprehensive capabilities.**

The project was completed over two visits to optimise the client's construction schedule. During the initial visit, the erection of the primary steelwork was completed, enabling the civil contractor to progress with the construction of floor slabs. After the concrete floors were cast and cured, we then returned to site to install the secondary steelwork package, ensuring seamless coordination and timely delivery.

To optimise logistics, some of the structural steel for this project was fabricated from our Dalton facility in North Yorkshire, within 36 miles of the Sofia site in Wilton, Teesside. Steelwork was also fabricated within the fabrication workshop located in Bolton. To maximise the benefit to the local community, we chose to use a local steel erection contractor, Braddan Structures, to erect the steelwork.

As the flagship construction project in RWE's offshore portfolio, Sofia represented a pivotal project for Severfield as we seek to establish a strong presence in the renewables sector. This project served as a platform to demonstrate our expertise and commitment to delivering high-quality infrastructure projects. Collaborating with esteemed partners such as Kier, GE, and RWE, we upheld the highest standards of safety and quality throughout the project lifecycle.

Our performance on Sofia not only contributed to the success of a critical infrastructure project, but also demonstrated our ability to deliver at the standards expected of the renewables industry.