Supporting the UKs sustainable energy system

The UK represents the global leading market opportunity for offshore wind, both in terms of operating projects and the development pipeline.

As a complex and sophisticated industrial and service-led economy, the UK demands ever more and cleaner supplies of energy to ensure our future prosperity and provide a safe and clean environment for us all.

Fastflow Group, a subsidiary of United Living Infrastructure Services was contracted by Sembcorp Energy UK, a leading provider of sustainable solutions in December 2020 to carry out major water mains diversions as part of the early works for Sofia Offshore Wind Farm which when complete will be one of the largest offshore wind farms in the world.
Project Sofia - One of the largest offshore wind farms in the world

When complete, Sofia will be one of the largest offshore wind farms in the world as well as one of the farthest from shore.

Sofia is sited on Dogger Bank in the middle of the North Sea, more than 190 kilometres from the North East coast.

The total amount of power Sofia is likely to generate would be enough to potentially provide almost 1.2 million average UK homes with their annual electricity needs.

Once operational, the energy generated by Sofia’s turbines will save more than 2.5 million tonnes of carbon emissions* per year when compared to the use of fossil fuels in the UK.

Sustainable solutions

Fastflow Group’s integration makes it ideally positioned to support the UK energy transition and help drive United Living Group’s contribution to the UK’s 2050 Net-Zero target.

Supporting the efficient delivery of transmission pipeline assets is fundamental to our strategy and our intellectual property for renewables and sustainable solutions means we can help our customers develop and plan their schemes through to final investment decisions with confidence.

Our experienced supply chain also helps us to deliver schemes cost-effectively and on time.
Delivering the scheme on budget & on time

Fastflow Group was contracted in December 2020 to carry out major water mains diversions as part of the early works for Sofia.

This included the water pipe installation, chlorination and pressure testing. In addition to the pipeline diversions, utilising their engineering experience, the team installed reinforced concrete thrust blocks to restrain the forces from flow change in the pipe installation area.

The combined knowledge and expertise of the company’s Water and Civils Divisions were utilised to meet the tight project deadline.

At its peak, there were 16 direct members of staff working on the Sofia project. Two team members were from the Fastflow Pipeline Services division of the business, carrying out the plastic pipework’s electrofusion welding.

The remaining workers were from the Fastflow Energy Services division, utilising their experience in heavy civil works to carry out the deep excavations, trenching, and ditching of the pipework.

“We are proud of our work on this critical offshore wind project, supporting the UK’s sustainable energy system, as it strives towards meeting its carbon reduction targets.

We look forward to using our expertise to support this offshore wind revolution, to drive a low carbon economy, support a green recovery and help deliver the UK’s clean growth strategy”.

James O’Donnell
Operations Director
Fastflow Group | United Living Infrastructure Services

“Fastflow Group carried out major water diversion works that were needed to get Sofia Offshore Wind Farm’s enabling works contractor onsite to prepare for the construction of our onshore converter station.

The company’s combined expertise and efficiency ensured the work was completed on budget and on time and the development site was ready in time for the next phase of works”.

Sofia Offshore Wind Farm Project Management Team
We undertake projects across the energy landscape, delivering a range of solutions across the water, gas and energy transition sectors. Our expertise covers everything from design to installation, maintenance and repair, whilst our work often involves early contractor involvement and collaboration with all stakeholders to provide single sector solutions or integrated packages.

Our United Living Infrastructure Services are delivered by our subsidiary, Fastflow Group which delivers a broad range of utility services to residential, business customers and blue-chip clients. The platform enables us to connect the homes and communities we develop within United Living Group to essential gas, water and power services and supports the increasing UK demand for new energy systems and low carbon, best-in-class utility infrastructure.

With a trusted heritage since 1991, we take the time to understand the needs of our customers and work collaboratively with them to deliver a broad range of solutions that will ensure the resilience of our infrastructures.

For further information on our services get in touch today

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