



## INEOS BRITANNIA

### MECHANICAL DESIGN ENGINEER

#### TEAM OVERVIEW

Backed by INEOS Founder and Chairman Sir Jim Ratcliffe and led by the most successful Olympic sailor of all time, Sir Ben Ainslie, **INEOS Britannia**, who has joined forces with the **Mercedes-AMG Petronas F1 Team**, as the Challenger of Record for the **37th America's Cup**. The British team, who will race for the Royal Yacht Squadron, was formed in 2014 before joining forces with INEOS in 2018 and is now embarking on their third consecutive campaign to finally bring home the Auld Mug, the oldest trophy in international sport. A trophy that Britain has never won.

Everyone in the team from the ground up is rooted in the same belief, that we are here to win and our laser focus extends to the whole of the support team, which needs to cope with the challenges of a three year campaign.

#### ROLE OVERVIEW

The Mechanical Design Engineer will work on a variety of rig and sailing system projects across both metallic and composite design. Using an analytical approach to highly detailed engineering design, the role will work on concepts from design through testing and implementation onto the yacht and supporting test rigs.

#### THE SUCCESSFUL CANDIDATE

Detail oriented. Dependable.

#### CONTRACT DETAILS

This role is a full time, fixed term contract through to Summer 2024. You will initially be based in Brackley, UK and further international travel may be required.

#### KEY RESPONSIBILITIES

- Working on the design and development of mechanical, hydraulic and composite assemblies to the highest standards
- Generating 3D models, Assemblies and 2D drawings
- Specifying and following the R&D testing programmes for safety and performance critical systems
- Reliability management of assigned systems throughout component life cycle and in support of the team's reliability function



## CANDIDATE PROFILE

- Experience in a high-performance sailing discipline is essential
- Mechanical, automotive, or aeronautical engineering degree (2:1 minimum grade) or similar qualification
- Experience of Catia V5/3DX and Catia/Abaqus FE would be an advantage
- Use of finite element analysis tools (ideally with Catia V5/3DX package) and hand calculation methodologies to produce reliable and optimised designs
- Excellent communication and collaborative skills to ensure cross departmental integration
- High attention to detail and the ability to work under limited supervision to tight deadlines
- Close collaboration with other engineering departments and external suppliers to ensure fully integrated system designs, achieving optimal yacht performance
- Use of Catia FEA to support your own designs