# **Person Specification**

# **Job title: Mechanical Design Engineer**

**Education and Experience**

|  | Essential | Desirable |
| --- | --- | --- |
| Degree in a relevant field (e.g. Mechanical Engineering). Will consider HND or equivalent with a proven track record in design and development of mechanical systems. | X |  |
| Experience with 3D CAD software (ideally Creo / Solidworks) competent user able to generate 3D models and 2D drawings | X |  |
| Experience in and geometric dimensioning and tolerancing (GD&T), BS8888, limits and fits and design for manufacture |  | X |
| Strong knowledge of mechanical engineering principles, including mechanics, dynamics and materials properties | X |  |
| Experience in electric motors, rotating machines, mechanical drive / actuation systems, bearings and seals |  | X |
| Some experience of engineering design for maritime, coastal, or aggressive environments |  | X |
| “Hands On” experience during fabrication, construction or commissioning phases |  | X |

**Personal Characteristics**

|  | Essential | Desirable |
| --- | --- | --- |
| Technically inquisitive: you will enjoy innovating and delivering novel solutions. | X |  |
| Strong analytical and problem-solving skills, able to identify and propose solutions to complex technical challenges | X |  |
| Ability to work independently, take the initiative, find solutions and proactively drive progress, while working as part of a team. | X |  |
| Hands on: you will need a practical approach to help us resolve technical issues and meet deadlines. | X |  |
| Strong communication skills, with the ability to collaborate effectively with cross-functional teams and communicate technical information to non-technical stakeholders | X |  |
| Flexible: you will be able to work across multiple projects. |  | X |