



Role Description

Job Title	AWM Product Design Engineer		
Reports to	AWM Product Development Manager	Direct Reports	None
Team	Water Management - Commercial	Total Hours of Work	34.5 hours per week
Normal Working Hours	Monday to Thursday - 09:00 – 17:00, Friday - 09:00 – 16:30 (1 hour lunch break)		
Core Purpose	<p>To actively contribute to the design and development of cutting-edge products in the water management division as a vital member of the R&D team, participating from concept through to successful market launch, in collaboration with experts from across the business, ensuring a holistic approach to product development.</p> <p>To design exceptional solutions and actively participate in cross-functional teams to drive projects to successful completion.</p> <p>To develop and carry out new ideas or concepts that are fresh and unusual that bring positive benefits to both the company and its customers.</p> <p>To carry out engineering change requests on existing products.</p> <p>To play a full part in the life of the business to support its distinctive mission.</p> <p>To continuously promote and demonstrate through all actions and interactions, your commitment to the core company values.</p> <p>To be a trusted member who can work individually and as part of a team with common goals.</p> <p>To demonstrate unwavering honesty in your actions, uphold the highest standards of integrity in all you do, and show respect for colleagues and customers alike.</p> <p>To be a part of and contribute to a culture of inclusivity where you work in an environment where unique perspectives are not only acknowledged but celebrated, fostering a sense of belonging and recognition.</p>		

Key Responsibilities

- Work collaboratively in cross functional teams on product innovation.
- Develop innovative design concepts and produce detailed drawing & modelling of final designs with a key focus on sustainability and design for manufacture.
- Develop strong trusted relationships with key stakeholders to progress the delivery of new products to market.
- Project management and ownership including providing and presenting progress reports.
- Effectively communicate with relevant departments to organise the manufacture of prototype components, tools and models as required.
- Organisation of testing to required standards.
- Prepare working product specifications complete with tooling costs and product costs analysis.
- Prepare product specific quality control documents/procedures.
- Prepare product specific assembly documents/procedures.
- Prepare product renders/images for marketing purposes.
- Effectively manage and coordinate bespoke projects with a very short lead time from brief to manufacture.
- To liaise and effectively communicate with internal production department for manufacturing input.

The duties and responsibilities listed above describe the post as it is at present. It cannot be read as an exhaustive list of duties and may be altered at any time with management approval.

<ul style="list-style-type: none"> • Liaise with sub-contract manufacturers and suppliers from concept to delivery of prototype and new products. • Work in conjunction with our QC department to ensure correct product quality standard is achieved. • Provision of accurate and up-to-date technical data for Sales & Marketing purposes. • Use of PDM system for technical document control.
<p>Personal Skills & Attributes</p> <ul style="list-style-type: none"> • Mechanical Engineering or Product Design Degree is highly desirable. • Proven track record of product design, ideally within the construction sector if relevant degree not held is essential. • Product Design experience using a range of materials including concrete, plastics, steel fabrication, iron castings is desirable. • 3D design experience essential – Solidworks preferred. • Proficiency in relevant software tools and applications. • Strong communication, presentation and problem-solving skills. • Excellent organisational and time management skills with the ability to prioritise tasks and meet deadlines. • Self-motivated and able to work unsupervised with the desire to achieve goals and company aspirations. • Driven to achieve results. • Personable, persuasive and influential • Ability to collaborate effectively with cross-functional teams and stakeholders.
<p>Professional</p> <ul style="list-style-type: none"> • Professionally represent ACO and its products. • To attend and actively participate business meetings. • To play a full part in the life of the business to support its distinctive mission and ethos and to encourage staff to follow and uphold the company values. • To promote equality and diversity as part of the culture of ACO. • To undertake any other reasonable request and accept any reasonably delegated additional responsibility from a manager.
<p>General Responsibilities</p> <ul style="list-style-type: none"> • Accountable for own effort, motivation and contribution. • Achievement of personal and company targets. • Work in accordance with the Trading Policy where relevant to role. • Accountable for own Health & Safety and the Health & Safety of other employees. • To ensure PAS99 and ISO rules and regulations are adhered to. • Maintain confidentiality of all non-public company information at all times. • Act in a professional and courteous manner at all times.

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