



## Process Engineer

If you wish to apply please email your CV and covering letter to:  
[recruitment@rjm-international.com](mailto:recruitment@rjm-international.com)



### Working Hours

Mon-Fri



### Salary

Competitive



### Location

Winchester / Hybrid



### Contract Type

Full Time, Permanent

## Why work with RJM?

RJM International is a world-leading, engineering technology business that enables energy producers to transition to efficient, reliable and cost-effective low carbon generation - and we looking to expand our team to meet market demand.

RJM's twin-track approach is to support existing assets which have decades of operating life remaining, by reducing their emissions and carbon footprint and to support the biomass and Energy from Waste sector to improve reliability and performance.

We are actively working with our customers in their efforts to reduce their carbon footprint, whether that is by improving efficiency, fuel switching such as from coal to gas or biomass co-firing / conversion. Our projects require bespoke solutions which demand technical and commercial creativity in order to meet our customers' needs. Over the years we have won many awards for innovation including "The Queen's Award for Enterprise: Innovation".

RJM works across several sectors, from utility generators to industrial energy users. We work on all types of plant and boilers from 1,000MWe power units to 100MW gas-fired boilers. Our knowledge base covers all types of fuels and all firing systems. We are also very active within the biomass and Energy from Waste markets where we resolve issues encountered in bubbling bed combustors/gasifiers and grate combustion units.

Through steady expansion, RJM has grown its expertise, technical ability, and knowledge to provide clients with a wide range of engineering-based products and consulting services. We operate globally and successful candidates will have the opportunity to work in different parts of the world on a range of exciting projects.

From our Head Office in Winchester, we also provide support to our offices in Singapore, Malaysia and the USA, and there are opportunities to work in these regions.

# About the Job

Working within our Engineering team, the role will be varied and involve a range of activities, from determining the root cause of our customers' problems, to helping develop solutions to these problems. The Engineering team works closely with our CFD team to develop these solutions. The role will also involve being part of the design team for delivering that solution. Your work will involve site work such as testing, as well as participation in the installation and commissioning of the RJM solution. You will have the opportunity to work across every phase of the project to ensure its successful completion.

There will also be opportunities to work with the Business Development team, exploring new business opportunities and working with customers to develop the optimum solution for their plant.

## Key Responsibilities

- Works closely with the rest of the engineering team to gain a detailed understanding of the technical and process background of each project, as well as to contribute to process analysis and the technical design of the solution. This will include analysis of data such as customer design proposals, specifications and manuals to determine feasibility of design or application.
- Writes proposals for mechanical and chemical systems for power plant combustion improvement and emission reduction.
- Analyses plant operating data to identify trends/faults and issues with the system. This may include an understanding of fuel quality and analysis of fuel impacts.
- Develops the basis of design, undertake detailed calculations to develop the design and be responsible for the accuracy of these calculations.
- Prepares Process Flow Diagrams, Equipment specifications, Process Descriptions and P&IDs for review and approval.
- Designs and/or directs design of products or systems such as burners, controls, burner management, Selective Non-Catalytic Reduction (SNCR), Selective Catalytic Reduction (SCR) and water injection, or heat transfer systems.
- Performs optimisation of equipment in the field to obtain optimum performance of equipment and systems.
- Ensures a high standard of safety is achieved and Environmental and Quality Assurance procedures are followed.
- Performs safety related calculations and provide input to HAZOPs, SIL and other safety reviews.
- Participates in technical meetings and discussions with client engineers.

## Knowledge, Skills and Educational Requirements

*If this role is of interest, but you do not meet all the criteria, please still get in contact - **all experience is welcomed**. We would be interested to see what you can offer.*

### Required:

- Engineering degree (Mechanical/Chemical Engineering or related field)
- Relevant experience in combustion, emissions technology, controls, process safety and other related processes
- Strong planning and organisation skills with a demonstrated ability to manage details
- Strong collaboration skills with the ability to interface at all relevant levels within the Company, with strong communication and presentation skills
- Good knowledge of Microsoft office and applications such as Word, Excel etc
- Chartered Engineer status, or working towards Chartered Engineer

## Advantageous:

- Additional Language skills
- Full UK Driving License
- Ambitious and responsible with an appetite for self-development
- Knowledge of Python/Power BI

## Benefits

- Subsidised private healthcare
- Discretionary Bonus Scheme
- Pension
- Death in Service Benefit
- Opportunities for flexible working
- Continuous development opportunities

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