PILKINGTON

NSG GROUP

GRADUATE MATHEMATICAL MODELLER, R&D

Ormskirk, West Lancashire

£27,000 - £30,000 per annum (depending on skills & experience) + benefits

2:1 and above

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WHO ARE WE?

The NSG Group is a global leader in glass manufacturing in three business areas: Architectural, Automotive and Creative Technology.

Our mission is changing our surroundings, improving our world.

We operate in Europe, Asia and the Americas. Group Research and Development is a Global function supporting all business units in all geographical regions.

THE ROLE

The exciting part! NSG are currently on the lookout for a **Graduate Mathematical Modeller** to join the Modelling and Simulation R&D team at our Technical Centre in Lathom, Ormskirk. You will mainly be supporting the Flat Glass Technology Group which covers research, development and provision of technical expertise to NSG's flat glass making businesses world-wide. A key focus for us is decarbonisation of our processes - we recently celebrated a "world's first" in hydrogen firing a float line.

In the hostile environment of a glass making plant modelling of glass and gas flows is an essential tool to understanding and improving our processes. We need someone to use mathematical and computational fluid dynamics modelling to help us solve current manufacturing issues and reduce our reliance on fossil fuels. This might be modelling of slow viscous flows of molten glass within furnaces and forming processes through to combustion simulation. Your work will aid evaluation of proposed furnace design improvements, provide technical support to operating sites and include updating and improving the tools we use which include commercial CFD packages such as Ansys FLUENT and codes developed in-house. Modelling and simulation are key to sustainable glass manufacturing and we want to make our capabilities the best they can be!

Do you have what it takes to succeed? Do you

- want to use your skills to help us improve the sustainability of glass making?
- have an interest in applying mathematical modelling to industrial processes?
- enjoy working collaboratively across teams, continents and job roles?
- enjoy meeting new challenges and responding quickly to changing scenarios?
- have a 2:1 degree (or equivalent) in Applied Mathematics, Physics or Engineering ideally with experience of working on fluid flow calculations and using CFD packages such as Ansys FLUENT?
- have an interest in writing and updating computer programs?

What can NSG offer you? - The Important part!

- 25 days holiday plus bank holidays
- Six monthly salary review
- Pension with employer contribution
- Staff Incentive scheme
- Flexible Working (after probation)
- Continual Professional development tailored to your current role and future aspirations
- On site car parking/EV charging & canteen
- 4 weeks accommodation, if applicable

A full UK driving licence and car ownership would be an advantage due to limited public transport to the site.

NSG is committed to building a diverse workforce to facilitate innovation and a better place to work. You will receive a warm welcome into your new team making NSG the most enjoyable place to be!

If this role sounds of interest, please hit apply and a member of our team will be in touch!