AURORA
ENERGY RESEARCH

GRADUATE MODELLING PROGRAMME **OXFORD**

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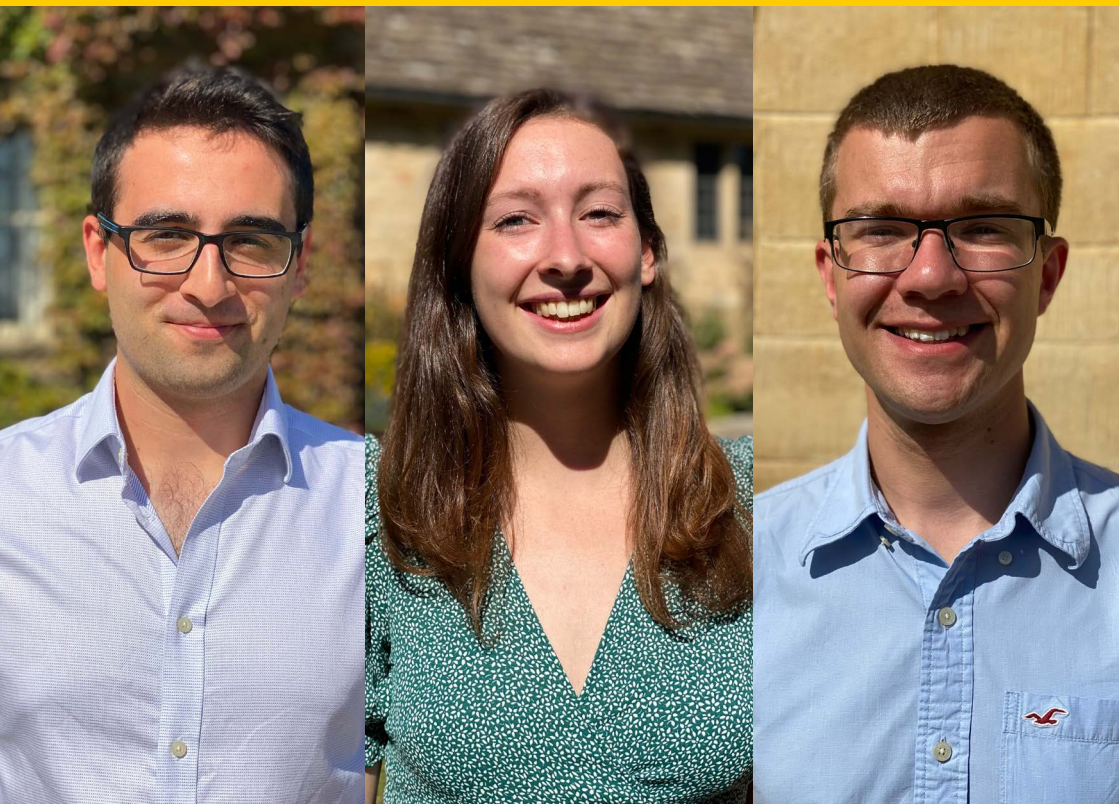

START YOUR CAREER WITH AURORA

At Aurora Energy Research, we develop intelligent and influential research, publications and consulting services that are vital to the global energy transformation. Through analysis and insights based on leading modelling of energy markets developed by our in-house modelling team, we support strategy, policy and investment decisions for a spectrum of energy market participants. We've developed trusting relationships with hundreds of clients, including energy companies, investment funds, banks, network operators and governments.

Our success is built on a supportive team culture that helps talented people to develop their skills and expertise, excel in their work, and make a difference to the world. From our offices in Oxford, Berlin, Sydney and Austin, we cover the energy markets of a growing list of countries across Europe, the US and Asia Pacific.

OPPORTUNITIES AT AURORA

Have an impact on the global transition to a cleaner, cheaper energy system

In countries around the world, the energy system is decarbonising, decentralising and digitalising. At Aurora, you will help companies and governments make better decisions to navigate this transition through insights derived from our in-house models developed by our modelling team. Your contribution towards our model development will contribute to tackling some of the biggest energy challenges, including climate change, access to electricity, and the cost and security of energy supplies.

Develop some of Europe's most advanced energy system modelling

Our modelling team produces sophisticated and flexible forecasting of energy markets through in-house models that set us apart from other companies. As a modeller at Aurora, you will contribute to our modelling efforts by enhancing our modelling methodology, developing analytical and computational tools, and supporting

project work with a strong understanding of our modelling ability. You will be the technical expert on our model in a variety of projects and offer insight and support to our analytical teams.

Apply and develop your problem solving and analytical skills to enhancing our modelling suite

At Aurora, you will apply the skills you have developed through your studies to solving some of our clients' most interesting and intricate problems. Through a mix of structured training programmes and on-the-job learning, we will help you raise your abilities to the next level, preparing you to contribute to projects, communicate complex ideas across the company, nurture teams, and push our modelling capabilities to meet client and internal needs.

Join a diverse, ambitious, friendly and supportive team

We're committed to building a company where everyone can achieve their potential in an inclusive and welcoming environment. Aurora brings together people from over 20 countries around the world and with a broad range of professional and life experiences in order to co-operate to find smarter ways to solve problems. Through initiatives like our Women at Aurora network, we seek to provide further support and opportunities for groups under-represented in the energy sector.

Help build a rapidly growing and innovative company

Founded in 2013, Aurora has grown rapidly to around 200 people but retains the entrepreneurial atmosphere of a start-up. We continue to seek opportunities from new markets, modelling approaches and ways of thinking. At Aurora, you will learn from leading experts on the energy markets, develop your own ideas and help map out the future course for our business.

Influence the public debate and inform the strategy of high-profile clients

Our clients include government agencies from the UK, Europe and beyond, as well as investors, international energy companies, and generators responsible for most of Europe's electricity. At Aurora, our modelling is used directly to create the insights used for reports for our clients through consulting projects and subscriber meetings. Aurora's work is covered extensively in the media, and has been influential in changing the course of policy decisions in our key markets.

OUR CULTURE

Work and wellbeing

We believe that we make better contributions in the long term if we keep a balance between work and the rest of our lives, even though our projects can be demanding at times. Our managers carefully track teams' wellbeing to stay aware of how this balance stands. Our UK office is in Oxford, where a combination of historic architecture, rich culture and lush countryside contribute to a high standard of living.

Development

New joiners are the potential future leaders of our business, and we provide a broad suite of development opportunities, including regular content talks from our experts, sessions with external speakers, and a programme of skills-focussed training. Our rapid expansion into new countries and products provides exciting opportunities for growth and development. New joiners will go through a rigorous onboarding process so they are well equipped with the technical modelling skills to work and develop with our models.

Making a difference

We are passionate about the role we can play in contributing to the global energy transition. As we serve our clients and develop Aurora as a company, we know that we are also helping to make a difference to the future by supporting smarter, better-informed decisions throughout the sector.

Community

We have a warm and supportive office environment, and people at Aurora often co-operate to organise activities together outside of work. These have included cake baking, quizzes, charity runs, and an office football team. There is also a programme of regular social events run by the company to help teams connect and get to know each other better.

"Aurora advises a wide range of companies such as energy suppliers, investors and regulators on the decisions they make to decarbonise. By contributing to these decisions my work is having a direct impact on making the energy transition as smooth and effective as possible."

DAVID NOBLE

OUR MODELLING GRADUATE PROGRAMME

For recent graduates joining Aurora's Oxford modelling team, in your first year you can expect to:

- Undergo rigorous training on our modelling methodology and the energy markets we are modelling
- Contribute to some of the most advanced energy marketing models in the industry
- Have close involvement in live client projects as the technical modelling expert

A modeller's role is highly varied depending on ongoing projects, and your responsibilities can include:

- Contributions to the long term development of our modelling suite to improve the quality and value of our modelling results
- Liaising internally with analysts and other stakeholders across the company to ensure that our modelling is meeting project requirements
- Developing analytical and computational tools, formatting recommendations on future trends, and conveying these insights to enhance clients' decision making

Most project work in modelling involves close interaction with other teams across Aurora, including:

- **Commissioned Projects:** executing bespoke consulting projects for clients, often involving complex project-specific model developments to directly meet client needs
- **Research & Publications:** developing market forecast reports and original in-depth research on the future of energy markets, with a modelling focus on the accuracy of the market behaviour being modelled and the quality of results
- **Product Development:** designing and developing new services for our clients which directly use our models or modelling results

Aurora's Analyst and Modelling Graduate Programmes are two unique paths in Aurora, with both roles having distinct responsibilities and expectations:

- Analysts develop our market research reports and help solve client problems through consulting projects. They design and execute analysis to address clients' questions, working with the modelling team to apply Aurora's models and draw out the most useful insights from our results.
- Modellers build and maintain our in-house modelling suite, working closely with analysts to meet clients' needs. The modelling role involves programming and problem solving, requiring modellers to understand analyst needs as well as to clearly communicate complex modelling topics across the team.

"In my first year here at Aurora, I have had the opportunity to work on a huge variety of projects in the energy space, and gain an in-depth understanding of the difficulties the industry faces in the energy transition. I have also met so many great people, who instantly made me feel welcomed even when we were only able to work remotely."

SALLY JONES

OUR APPLICATION PROCESS

If you are a final year university student or recent graduate interested in joining Aurora's Oxford office as part of our modelling graduate programme in Autumn 2021, please visit:

auroraer.com/modelling-graduate-programme-2022

Applications will close on 31 October 2021.

When you apply to join the Aurora modelling graduate programme, your application will go through the following stages:

CV screening

Our screening team will review your CV and cover letter and agree whether to invite you to an interview.

First round interview

We will arrange to speak with you on Microsoft Teams for just under an hour. We will want to learn more about how you have shown your abilities in your past experiences, and quantitative questions where you can demonstrate how you think through and solve problems.

Final round interviews

If you are successful in our first round interview, we will invite you to visit our Oxford office.

During the visit, you will have a second interview lasting about an hour. The second interview builds on the first, exploring the role and your motivations, followed by some quantitative questions and a case study.

We take the health of our team and our applicants seriously, and we may adjust the format of the final round interviews in Autumn based on the latest government guidelines on COVID-19.

Offers

If you are successful in our final round interview, we will make you an offer of a position at Aurora, to begin work in our Oxford office the following Autumn.

For enquiries, please email recruiting@auroraer.com

"Aurora offers amazing opportunities for growth. The modelling team's training programme alone is incredibly valuable, it greatly improved my knowledge of energy markets and modelling as part of a team. In just over three months I have already worked on a number of exciting projects with other departments and have had the chance to peek into the current problems and mechanics of the energy industry. All alongside talented, friendly and inspiring individuals!"

SARA MORENO

“Aurora’s extensive training programme has enabled me to both advance the technical skills I already had and acquire a comprehensive knowledge about the workings of power markets, allowing me to be involved with and take the lead in developing a diverse range of modelling features. Being able to work on these projects with highly experienced colleagues and clients across the world is one of the many exciting and rewarding aspects of my job.“

LUKE HATCHER

WHAT WE LOOK FOR

Our modelling graduate programme is open to you if you have studied a relevant degree in Economics, Engineering, Mathematics or Computer Science or other quantitative fields at a top university.

Our team look for evidence for the following qualities in applications:

- Exceptional problem solving skills and analytical ability
- An ability to collect, analyse and interpret complex quantitative data and information
- Strong interpersonal skills, and a great team player
- Some knowledge of one programming language, e.g. C++, Matlab, Python, R, Java

It would also be beneficial to have:

- A relevant Master's degree or PhD
- Knowledge of and interest in energy markets, and a belief that well-designed models significantly improve decision making
- Knowledge of statistical and/or optimisation techniques

The Company is committed to the principle that no employee or job applicant shall receive unfavourable treatment on grounds of age, disability, gender reassignment, race, religion or belief, sex, sexual orientation, marriage, civil partnership, pregnancy or maternity.

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For more information about our services and insights, please get in touch:

OXFORD

oxfordoffice@auroraer.com

BERLIN

berlinoffice@auroraer.com

SYDNEY

sydneyoffice@auroraer.com

AUSTIN

austinoffice@auroraer.com