





Engineer your future...

Graduate Opportunities



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Engineer your future...



Graduate Opportunities

Craig, Mechanical Engineer

Company: WOOD GROUP PSN

University: Strathclyde
Degree: MEng Mechanical Engineering with Materials



Why did you choose to join Wood Group PSN?

I chose to join because the graduate scheme is accredited by IMechE and the mixture of training courses and on-the job learning appealed to me. I also wanted to work for an internationally renowned company which could provide me with an opportunity to travel worldwide. I've already spent four weeks working in Trinidad with Neal & Massy Wood Group and a one year exchange in Houston with Mustang.

What type of projects have you undertaken?

I spent my initial 18 months on the Total contract which included the opportunity to work on a multi-million pound Produced Water Injection project. As Mechanical Design Engineer, I was responsible for the design and procurement of equipment and also spent time both onshore and offshore assisting the commissioning team. During the design phases I also visited several equipment manufacturing sites, in UK and Europe, to witness testing. I then spent six months on the Apache/Hess contract where I was the sole Mechanical Engineer on the modifications team for the Forties Charlie platform. I've also completed a six month secondment with the commissioning group to get further experience of working with the equipment in the field and managing the problems and solutions associated with this.

What have been your key achievements with the company?

My biggest achievements have been the successful completion of the fuel gas superheater project on the Alwyn platform and the time I spent offshore during the commissioning of the PWRI booster pumps. My times working in Trinidad and Houston have also been valuable learning experiences.

What other activities have you been involved in?

I've played for the Wood Group 5-a-side football team and play for the Wood Group touch rugby team in the Aberdeen Corporate Decathlon. I'm also a Science and Engineering Ambassador with the after-school club, where I help to promote science and engineering to children.

Engineer your future...

Graduate Opportunities



Iain, Piping Engineer

Company: 
WOOD GROUP PSN

University: Glasgow
Degree: MEng Mechanical Engineering with
Aeronautics



Why did you choose to join Wood Group PSN?

Firstly the company had a structured training plan for each graduate. Secondly, the company's IMechE MPDS accredited scheme is helping me to gain chartership. Finally and most importantly, they offered an exciting working environment, where as a graduate I would get involved in some of the most advanced and exciting oil & gas engineering projects, not just in the North Sea, but worldwide.

What is the best project you have been involved in?

Working in the Glasgow office, my most enjoyable project so far has to be the re-designing of the Water Injection system on one of the Taqa Bratani platforms. As you may know, water injection into the well is a method of helping to liberate more oil from the well. This can only be achieved through large pressures, in this case 240 Barg (equivalent to the weight of 2 Double Decker busses on the palm of your hand). Such high pressures require a large amount of safety considerations and create problems such as erosion. Our design was manufactured and required several tonnes of high grade stainless steel and complex manufacturing and welding requirements.

What do you enjoy most about the scheme?

One thing I enjoy about this scheme is its variety, as Wood Group undertakes different projects for different clients – so you get involved in all types of work. Though I have not had the opportunity yet, I am aware of graduates who have been involved in international projects in Norway, the Middle East, Africa and South America. I've also been lucky to have had the opportunity to visit several offshore platforms and onshore plants. These site visits help with your practical knowledge and also emphasise the requirement for safety.

Engineer your future...



Graduate Opportunities

John, Engineering Manager, CEng MIMechE

Company: 
WOOD GROUP PSN

University: Strathclyde
Degree: MEng Mechanical Engineering



Almost 10 years now and Wood Group continues to create opportunities for me. When I joined the company through its graduate training programme in 2001, I was looking for opportunities to learn and grow and travel. Wood Group's made those dreams into realities.

Today, I'm working on Talisman Energy's North Sea brownfield engineering and modifications contract, which covers 12 assets, mainly offshore, in the role of engineering manager. It's broadened my technical knowledge once again. It has added to my experience in managing the much larger team that reports to me functionally. And it's made me aware of what my business team does for the overall Wood Group corporate picture. All of these are challenging, and exciting.

Two big pluses are the people and the culture. I enjoy working as part of the team, there's a high degree of camaraderie...everyone is treated the same. Everyone wants to do a good job.

We also aim to get every job done the right way, the safe way. This is a good environment to work in. It's built into our culture here, an ingrained part of our behavior on the job. That makes for a strong ethics policy, so it's a good place to work.

I want to keep working my way up. Wood Group Engineering (North Sea), which is now part of the Wood Group PSN organisation, has been open to my building a leadership growth plan for the next five years, encouraging me to learn more about the business of our business. That's excellent!

Engineer your future...



Graduate Opportunities

Alasdair, Piping Engineer

Company: WOOD GROUP PSN

University: University of Glasgow
Degree: MEng Mechanical Engineering



Why did you choose to join Wood Group PSN?

I was initially attracted to Wood Group's Graduate Scheme as I wanted to pursue a career in the Oil & Gas Industry, and to gain Chartership in an accredited company. Wood Group offered this and more, with the potential to work offshore, and with a notoriously good graduate training and development scheme.

What type of projects have you undertaken?

On joining the company I worked on the Talisman Operations & Maintenance contract, which was Brownfield and involved such tasks as the upkeep and maintenance of Talisman's Offshore and Onshore Assets. Through working on this contract I was able to spend some time working offshore, learning how to undertake survey's of piping systems, bringing this information back to the beach to complete Construction Workpacks. I was given the opportunity to look after certain jobs from the initial concept right through to final Construction Workpack handover.

I am currently working on the BP Andrew Area Development Project, which is a Greenfield, new build project whereby we are building a new module which will be added onto BP's Andrew platform in the North Sea to greatly enhance the platform's production capability. I have been heavily involved with sourcing the hundreds of different types of valves needed for the new module, which has involved me travelling to Technical Clarifications and 'Kick-Off' meetings with our key Valve Suppliers in England and Italy on various occasions. We are now at a stage where all the valves for the New Production Module have been ordered, and the next step will be visiting the Valve companies to monitor the various stages of construction of the valves.

What do you enjoy most about the scheme?

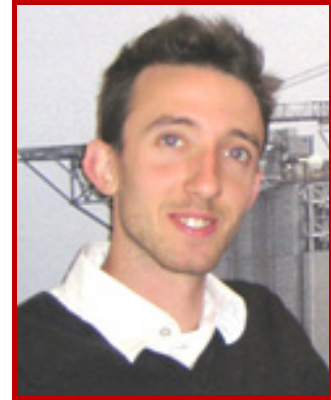
I have enjoyed the various opportunities available (training, offshore travel, international trips etc) and sharing in the experience and expertise from the staff has been very beneficial to me in learning the job. I have also enjoyed meeting and working with people from different disciplines, for example at present a large part of my work involves liaising with the procurement department for ordering piping materials and valves. I look forward to the rest of my graduate programme and career with Wood Group, and especially look forward to working on new projects, expanding and developing my experience as a Piping Engineer and becoming Chartered in the future. I also hope to experience working in different aspects of the company for example Project Engineering and Pipe Stress Engineering, to help me to know for sure what route I will follow in the future.

Stuart, Mechanical Engineer

Company:



University: Glasgow
Degree: BEng (Hons) Aeronautical Engineering



Why did you choose to join Mustang?

I chose Mustang because I was interested in the greenfield engineering side of the oil & gas industry. Plus, with offices located across the globe, the potential opportunity to do exchanges with other Mustang offices was of huge appeal. Being part of a small team has great benefits too as it means I get heavily involved in projects and am given a lot of responsibility.

How would you describe your role at Mustang?

As Mechanical Facilities Engineer I'm responsible for overseeing the engineering of packages from initial concept design through to fabrication and delivery. I'm responsible for a variety of packages from pumps, compressors, generators, heat exchangers, pressure vessels and much more so there are always new things to learn. I get involved in a variety of project types from conceptual designs, (FEED) through to detailed design.

What do you enjoy most about the scheme?

The Young Guns scheme aims to give an introduction into the oil & gas sector, the organisation, plus provide in-depth overviews of engineering disciplines and projects. A major highlight of the Young Guns scheme has to be the social aspect. Throughout the course of the year we organise nights out and sports activities as well as charitable events such as the London to Paris Bike Ride for the British Heart Foundation - so it's definitely not all about the work! We also have monthly lunch & learn sessions where senior engineers and managers give various presentations to aid your knowledge. It's a great environment for learning - often senior engineers will take time out to explain technical issues, how equipment works, procedures etc.

What projects have you been involved in?

I was first involved in the conceptual design of the Cheviot Platform for ATP Oil & Gas, responsible for revising the material selection study due to changes in the chemical properties of the flow stream. I was also involved in the bid clarification process for the pumps, compressors and separators. I've also been involved in a de-sanding project for another client, which gave me an insight into FPSO design plus some exposure to detailed design work. The experience I gained on the BP Valhall Re-development has also been great. I was given full responsibility for three packages, from purchase order through to their delivery on the platform. These included a polymer stabilizer system; waste solids circulation/booster pumps; and a waste solids mixing/transfer pump. My technical knowledge and project management skills improved and I gained confidence in my ability to liaise with other disciplines, suppliers and clients.

Engineer your future...

Graduate Opportunities



Jenny, Pipeline Engineer

Company:



University:

Strathclyde

Degree:

MEng Mechanical Engineering



Why did you choose to join J P Kenny?

J P Kenny invests a lot of time in their graduates both in classroom training and self taught learning. Also, I knew that I wanted to be part of a company that interacted with different clients so I could build my experience in different areas.

How would you describe your role?

I currently work as a Pipeline Engineer, but I have been exposed to different areas of the projects, not only the mechanical design. I work with a team of engineers whose experience has shown me that not only you can perform within your current discipline, but you can work as necessary on various areas. The job is challenging and dynamic and I believe that this is definitely a good path to becoming chartered.

What projects have you been involved in?

I've worked on various detailed design projects and FEED studies. My first was a subsea facilities detailed design project for CNR International (UK) where I was involved with the mechanical design of the pipeline. I saw the project from design stage through to the time it was laid on the seabed. I even had the chance to visit the coating facilities to see the line being coated. Having seen a project move from FEED to detailed design to operation is certainly something special. Another project I worked on involved construction specifications, route drawings, and mechanical design.

What do you enjoy most about the scheme?

There are a number of different ways for graduates to develop their knowledge. For example, as well as numerous lunch and learn sessions covering all areas of subsea design, there is also an online training programme with the J P Kenny Academy, so you never stop learning.

Engineer your future...

Graduate Opportunities



Alastair, Mechanical Engineer

Company:



University:

Heriot-Watt

Degree:

MEng Mechanical Engineering



Why did you choose to join J P Kenny?

The training and experience on offer at J P Kenny stood out. After chatting to past graduates, the level of experience they gained within such a short time was very impressive and working with a range of clients on a variety of projects made joining J P Kenny an easy decision. The graduate scheme also provides excellent learning opportunities by setting objectives which are quickly achieved through the work assigned. Moving to Aberdeen was also made very easy by the fantastic social scene both within J P Kenny and Aberdeen itself.

How would you describe your role?

As an engineer within the Operations Support department I get involved in working offshore, both on both vessels and platforms, while also working onshore on installation and maintenance projects. My role can involve supporting others on projects but also completing my own individual assignments. The Operations Support department work directly with clients and subcontractors providing expert knowledge on a huge range of subsea systems and infrastructure. My role so far has seen me involved in installing new equipment, preparing diagnostics procedures, completing well workovers and supporting maintenance works on various subsea assets providing me with excellent experience at this early stage of my career. Projects I have been involved in since joining have included: TOTAL Otter Scale Squeeze; BP Machar Manifold MPFM Changeout; BP Machar W127 & W128 Light Well Interventions; BP Bruce WAD M4 Light Well Intervention; BP Keith Gas-Lift Re-Instatement; BP Skarv Subsea Marking Audit ; BP Unity Caisson Repair Options.

What do you enjoy most about your job?

I enjoy the variety of work on offer and the challenges within Operations, as we are involved in everything subsea from pipelines and structures to subsea control systems, working through the installation of new fields and equipment and also the maintenance and repair of existing fields. This variety ensures that every day brings something, new providing continuous learning and challenges related to the subsea environment. Working offshore has also been a very exciting experience and the opportunity to work with highly skilled teams and individuals makes working at J P Kenny extremely enjoyable.

Engineer your future...



Graduate Opportunities

Scott, Subsea Engineer (Operations Support)

Company:



University: Strathclyde

Degree: BEng Hons Mechanical Engineering



What attracted you to J P Kenny?

I initially came across J P Kenny at a graduate fair at the SECC in Glasgow. I was lucky enough to be invited for an interview, and immediately I was attracted to the company. Instead of the usual psychometric testing used by most recruiters, J P Kenny were enthusiastic about providing an insight into the company, and explaining the potential career opportunities. This was also apparent at the assessment centre where the environment was very relaxed and informal, with the people very friendly and enthusiastic about their job. Meeting former JP Kenny graduates at the assessment centre illustrated that there was a very happy working life at the company, and it was at this point that I knew J P Kenny was the company for me.

Training and development so far?

I follow the J P Kenny Graduate development folder, which allows me to record my training and development whilst being "on-the-job". This gives me the freedom to learn at my own pace and fully settle in to the company and my role.

Year 1 comprised of lots of training to provide a solid introduction to the industry as a whole including Offshore Survival Training, Introduction to Subsea Training Course, Subsea Awareness training Course, Ongoing Support from the professional development programme (PDP), and my first offshore trip.

Year 2 involved more focused training based around my role in the department including Offshore Lifting Operations and Training, Guidance on Certification Training, on the job learning.

I have been working as a Subsea Engineer for the Project Team, managing the delivery of materials and equipment for the Project. Year 2 involved the successful delivery of pipe work, flanges, valves etc whilst under close supervision.

In year 3 my role has continued for the Project Team; however I am now operating largely unsupported, managing the delivery of larger packages including the fabrication, assembly and testing of a small subsea manifold structure.

Advice for future graduates?

It is a great place to work with a great work/life balance. The opportunities are there for travelling and expanding into different fields of expertise. I always find that the best way to judge a company is by meeting the people in it and at J P Kenny the people are knowledgeable, experienced and friendly.

Engineer your future...

Graduate Opportunities



Eamonn, Subsea Engineer (Operations Support)

Company:



University:

Napier

Degree:

BEng Manufacturing Engineering



What attracted you to J P Kenny?

It had to be the chance to work in a very exciting and demanding industry that has opportunities worldwide.

Can you give us a brief rundown of your training so far?

I've attended several subsea related courses but definitely the majority of valuable information was acquired through mentoring and working with different package engineers and by getting hands on experience with equipment on and offshore.

Have you worked in any other locations?

Not yet, but I would hope to get a chance to work abroad in the next number of years as J P Kenny's Operations Support business expands.

What has been the best thing about the programme so far?

The best thing by far has been working offshore onboard vessels. It has to be all about the people we meet, the job we do and the problems we need to solve to get the clients assets functioning correctly, without any further problems.

What are your future aspirations?

Since I completed the graduate programme I have supported several IRM campaigns, subsea decommissioning and a major Well Capping demonstration west of Shetland. In the future I would hope to continue supporting further diverse projects within the Operations Support team. If the prospect to do this exact role in different parts of the globe was offered I would definitely take that opportunity.

What was the first major thing you bought after joining?

A second hand Volkswagen Golf!

What advice would you give to a graduate thinking about joining J P Kenny?

A new start at J P Kenny would have to have an open mind and a willingness to join a team and take on responsibility from day one.

Engineer your future...

Graduate Opportunities



Ruairidh, Mechanical Engineer

Company:



Wood Group GTS

University:

Strathclyde

Degree:

MEng Aero-Mechanical Engineering



Why did you choose to join Wood Group GTS?

I've always enjoyed travelling, meeting new people, and experiencing different cultures. The rotational programme offered by GTS gives me the chance to fulfil these passions as every 6 months you move around the different GTS facilities, which are spread worldwide. I also like the fact that you can be hands-on in the role too - one of the best ways to learn is by physically helping overhaul the gas turbines and components in the workshop or the field. All this, while working towards Chartership with IMechE.

How would you describe your role?

I started by providing engineering support to field services both offshore and abroad within the Heavy Industrial Turbines (HIT) unit in Cumbernauld. My next six months was then spent at the Light Industrial Turbines (LIT) test facility in Aberdeen working on gas turbine performance testing. I also spent six months in Dubai in the Production and Operations department for the overhaul of solar gas turbines. Since completing the rotations I have now returned to Dubai for my final two years of the programme.

What do you enjoy most about your job?

At GTS no day is the same. The maintenance and overhaul of gas turbines and their components throws up all sorts of challenges in a variety of engineering disciplines including, dynamics, controls systems, thermo, fluid and aerodynamics, and mechanics. I am constantly being challenged by new problems and projects in differing fields. I particularly enjoy the fast paced learning environment offered by the rotational programme. With each rotation you gain a vast amount of engineering and business experience in an extremely concentrated time period. This is one of the unique things about the GTS programme.

What have been some of the highlights of the scheme so far?

One of the highlights has been the month I spent in Oman. I was part of a team of engineers and technicians sent to carry out a field service major inspection/overhaul of a heavy industrial gas turbine. The project was completed on schedule in a challenging environment, and the gas turbine was successfully performance tested to the customers' satisfaction. Furthermore, at the end of every rotation each graduate is required to give a presentation to the Executives of the company about our completed projects and the impact we have had. This is fantastic opportunity to gain personal exposure in front of staff from the highest levels of the company.

Engineer your future...

Graduate Opportunities



Mark, Mechanical Engineer

Company:



Wood Group GTS

University:

Strathclyde

Degree:

MEng Aero-Mechanical Engineering



Why did you choose to join Wood Group GTS?

I'm seeing the world with Wood Group – an opportunity I didn't expect to have so early in my career. The rotational programme allows you to gain experience of different GTS businesses and for me this has meant placements in Aberdeen, Dubai and Glasgow. I'm also working towards Chartership with IMechE and Wood Group are giving me the best possible support for this by providing me with varied and challenging projects and a mentor. It's my aim to work my way up in the company and I feel that Wood Group GTS is the right place to do it.

What were your initial impressions on joining the company?

Wood Group are extremely invested in their graduates, and the induction week is an excellent example of this. The week long programme comprised a number of fun activities and useful presentations. It also gave me the chance to meet all the other graduates joining at the same time as myself. This was really beneficial as it meant I could establish a large network of contacts from the start.

What can you tell us about your rotations?

My first rotation was spent within Accessories Repair Services (ARS) in Aberdeen. As part of my learning, I was given the opportunity to work on the machining shop floor in order to learn more about the repair production line. This helped me to gain a fuller appreciation of the setup and understand how to develop and implement ideas for efficiency improvements. My next six months were spent in Dubai in the Light Industrial Turbines (LIT) team, and I also completed a rotation with our joint venture company Rolls Wood Group (RWG) in Aberdeen. Rotation number four, involved working with heavy industrial engines in Cumbernauld with various international field trips. I'm now working as a Project Engineer in Aberdeen.

What do you enjoy about the scheme?

I learn something new every day, and the value of the rotation programme is being able to draw on all the experiences I've had in the different GTS businesses. I also enjoy the interaction with other graduates on the programme – we stay in regular contact and will be working together to solve problems.

Engineer your future...

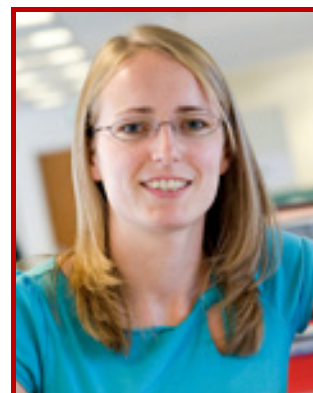


Graduate Opportunities

Ellen, Process Engineer, CEng MICHEM

Company: WOOD GROUP PSN

University: Newcastle
Degree: MEng Chemical & Process Engineering



Why did you choose to join Wood Group PSN?

I was initially attracted by the company's global presence and reputation within the energy services industry. The graduate programme has offered me structured technical and business skills training, which has helped me to achieve Chartered status with IChemE. The fact that you can move between projects allows an increased knowledge and understanding of how different clients operate, and I benefit from the support of a strong process team on all projects.

How would you describe your role?

As well as being the Process Engineer responsible for the process design for specific jobs, I am also responsible for the time management and progress reporting of the job. I am required to work alongside all other engineering disciplines and attend regular meetings with the client to discuss design developments and options. What I enjoy most about my job is being continually challenged to find ways to improve the production and processing on offshore facilities, through design modifications.

What type of projects have you undertaken?

I've worked on a variety of projects including the re-design of a Natural Gas Liquids (NGL) system for Apache and a seawater system review of the Forties Delta offshore platform. On the Talisman project I was involved in a FEED study for a subsea tie-back, which continued through to detailed design, as well as the re-design of an associated produced water system and the installation of a new hydrocyclone.

What other activities have you been involved in?

Outside of the office environment I've been involved in activities such as an engineering after-school club, judging the K'NEX school challenge and competing in the Corporate Decathlon. I'm also active in Wood Group's Young Talent Forum.

Engineer your future...



Graduate Opportunities

William, Process Engineer

Company: WOOD GROUP PSN

University: Strathclyde
Degree: MEng Chemical Engineering



Why did you choose to join Wood Group PSN?

I really enjoyed my two summer placements as an undergraduate with Wood Group and felt the work carried out by the Process department, along with the excellent training programme, and varying project work within the company suited my ambitions to become chartered within 5 years. The main benefits of the Wood Group PSN graduate scheme are the extensive investment in graduate training to assist in developing you into a high quality engineer; the challenging roles and projects; the mentoring scheme; and the salary! There is also a good social scene amongst my colleagues and other graduates.

How would you describe your role?

As a graduate process engineer, my main tasks are to assist in modifications to offshore and onshore processing plants. I produce calculations to provide evidence that designs based on WGE(NS) Ltd calculations meet the requirements of Legislation, National and International Standards, Codes of Practice etc., as well as client's requirements. I also produce project documents such as datasheets, line lists and Piping and Instrumentation Diagrams (P&IDs) to provide other disciplines important design information. In my job I really enjoy the interactions with the other disciplines. It's always interesting to learn on the job and to learn more about your colleagues' roles. I also act as a 'buddy' to one of the local Wood Group scholarship students and I really enjoy this role.

What projects have you been involved in?

Since joining the company, I have been placed on the TOTAL Engineering & Ancillary Services Contract. I have completed many projects including: designing and bringing online a new production flowline on one of TOTAL's North Sea platforms; the complete change-out of a condensate metering system; providing suitable mitigation for a potentially serious gas blow-by case which had been identified by the client; and replacing relief valves and control valves on various process equipment. A key achievement for me to date has been acting as the process engineer for a Hazard and Operability Study (HAZOP) undertaken as part of a major modification to a vessel control system. I was a little nervous about undertaking this role, being a graduate, but it offered me a steep learning curve and increased my confidence in my design work.

Engineer your future...



Graduate Opportunities

Richard, Structural Engineer

Company: WOOD GROUP PSN

University: Heriot-Watt
Degree: MEng Civil Engineering



Why did you choose to join Wood Group PSN?

The graduate scheme appealed to me as it offered a good mix of on-the-job, first-hand experience and further development through training courses. The scheme is also accredited by the IStructE, thus enabling me to pursue Chartership. I was also attracted by the size of the company with the prospect of international travel. I have since been selected for the inter-company exchange programme whereby I am working in Houston with our sister company Mustang for one year.

How would you describe your role?

My role encompasses a variety of different aspects - all of which are challenging in their own unique ways. Primarily, as a Structural Engineer the main responsibility covers all steelwork on the asset that is required to support new packages, equipment, modules etc. We also have to take cognisance of various other factors in our design too such as transportation, installation, availability of materials etc. Furthermore, we also have to perform a variety of checks on existing steelwork to determine suitability under new modification proposals i.e. new equipment being installed, lifting operations being carried out etc.

What do you enjoy most about your job?

I enjoy the variety of work I face each day, with no two tasks ever being quite the same. One day I could be sitting doing hand calculations, the next completing computer analysis of designs and then the next out at a vendors witnessing test lifts of packages. The scale of the work undertaken also greatly changes, from looking at the design of connections between two small beams to considering the layout of the primary steelwork across four levels of a 20m square grid platform. I am also surrounded by a strong squad of fellow engineers and designers - all of whom are happy to share their knowledge and provide support and guidance where required. There is a good social scene and I have represented Wood Group in a charity football tournament and cycled with fellow 'struckies' in a charity bike ride.

What projects have you been involved in?

I spent my first five months working on the BP Schiehallion FPSO Recovery Project, which required the installation of a new hose hang off at the rear of the vessel. I then joined the BG Group contract where I was part of the team looking at the Additional Living Quarters (ALQ) to be incorporated on the North Everest platform. I then moved to the Studies team and am currently involved in the Lomond BLP FEED involving the design of a new platform and linking bridge back to the parent Lomond Platform. I'm really enjoying this project as it covers a broad range of aspects rather than the 'nuts and bolts' design of other smaller projects I've previously experienced. I've gained really valuable experience from attending various project meetings and doing computer analysis of the structural steelwork and weight reporting.

Engineer your future...

Graduate Opportunities



Michael, Subsea Structural Engineer

Company:



University:

Strathclyde

Degree:

MEng Mechanical Engineering with Materials



Why did you choose to join J P Kenny?

The graduate scheme because is accredited by the IMechE and the mixture of training courses and on-the job learning appealed to me. I also wanted to work for an internationally renowned company which could provide me with an opportunity to travel.

What do you enjoy about your role?

My role in the structural department involves supporting lead engineers in the design and evaluation of subsea structures. From creating computer based models and running several analyses to constructing reports, I have been involved in almost every aspect of design. Working in the structural department has exposed me to a whole range of different subsea operations. The varying work is something that appeals to me and I always have the opportunity to continue and develop my learning.

What projects have you been involved in?

I have worked within the structural design group responsible for designing several subsea riser bases for BP's Skarv project in the Norwegian Sector of the North Sea. I was involved in a FEED study from start to finish, which gave me a great insight into the whole design process. I have also gained experience on a Caisson Riser design project for BP's Andrew platform. This work was quite different to my previous project. Although the same design methods were observed, a whole new set of challenges and problems had to be overcome.

What do you enjoy about working at J P Kenny?

The thing I enjoy the most is the fact that not only are you learning new things everyday, but that you are allowed to progress your development at your own pace. J P Kenny are quite flexible about your career plan and will do what they can to help you gain the knowledge and expertise you desire. The office also has quite a laid back approach where everyone integrates and helps each other out. Quite often after work there are always a few people going to the pub, this has helped me feel more part of the team.

Engineer your future...



Graduate Opportunities

Harris, Subsea Engineer

Company:



University: Newcastle

Degree: MEng Civil/Structural Engineering



What attracted you to J P Kenny?

The vast range of work undertaken in addition to the international operating base. Additionally the oil and gas sector seemed to be an exciting field of engineering to work in, in most cases operating in the harshest of environments in order to achieve goals

What has been the best thing about the programme so far?

Learning whilst working on live projects; it is very rewarding and also the best form of training. Training programs can often seem clinical and can have little relevance on what your day to day job actually is. The people in the working environment here ensure that you know how to complete your task and also understand the reasoning behind many of the decisions.

What do you like about your job?

The responsibility and the feeling that you are an integral part of the team; that your work matters and the deadlines you meet are part of the potential success of the project.

What are your future aspirations?

I want to progress with the company and work in a broad range of locations on interesting and varied projects. The oil and gas business as a whole is very interesting and I would hope to progress as far as I can with the company as it grows and expands into new business areas.

What was the first major thing you bought after joining?

New bike wheels. I compete in triathlons and while it is always the engine that matters most, nice gear is useful too.

What advice would you give to a graduate thinking about joining J P Kenny?

It is a great organisation with lots of enthusiastic, experienced and knowledgeable people who are always willing to help, guide and share ideas.

James, Structural Engineer

Company:



University: MEng (Hons) Civil Engineering
Degree: University of Durham



What attracted you to Mustang?

I was attracted to the small teams within Mustang's Woking office as it means that graduates have greater involvement in and access to interesting projects. Due to the company's global presence there is also the opportunity to gain international experience through exchanges with other offices. I also wanted to work for a company with a good reputation within the oil and gas industry which would provide me with a platform to gain the necessary project experience to meet the requirements for chartered status.

What projects have you been involved in to date?

Bouri Gas Recovery Module (GRM) - involved in the design of two new gas recovery modules (GRM-A and GRM-B) on the DP4 platform located 70 miles from the Libyan coast in the Mediterranean Sea. Work done on the Bouri project:

- Preparation of loading sheets for SACS structural model.
- Calculation of wind velocity profile on the GRM (using API codes).
- Validation of Centre of Gravity (CoG) calculation spreadsheets for load-out/lift analysis.
- Single and multiple degrees of freedom dynamic response calculations.
- Calculation of Dynamic Amplification Factors (DAFs) for blast analysis on GRMs using SACS and Excel.
- Screening of critical beams for blast analysis.
- Completion of geometry report and remaining appendices for loading report.
- Assisted senior engineer with design option presentation to client
- Co-wrote seismic analysis report for GRMs.
- Construction of load combination tables for seismic analysis.
- Design of Drag Chain/Utility Pipe Rack - Initial framing arrangement, load calculations, constructing and running the model analysis in SACS.

SMOE Ekofisk – responsible for the design of the 'stressed-skin' wall panels – a nice area and great experience. Working directly for Mustang's Structural Lead, I have also had the opportunity to gain a day-to-day insight into how the project is being run and how challenges are overcome.

What do you enjoy most about your job?

Mainly resolving design issues with different disciplines and benefitting greatly from working with extremely experienced colleagues. You learn so much from working on the job and getting thrown in at the deep end is the best way of learning. You can also select training courses that are directly specific to your needs and I have attended various technical seminars in accordance with my Initial Professional Development (IPD) requirements for IStructE chartership.

Engineer your future...

Graduate Opportunities



Alex, Electrical Engineer

Company:



University:

Heriot-Watt

Degree:

BEng Electrical & Electronic Engineering



Why did you choose to join Wood Group PSN?

Wood Group impressed me with its highly structured training programme and the company's commitment to help develop their graduates towards Chartered status. It was also clear from the outset that capability and a proactive attitude would be rewarded with increased levels of responsibility and further challenges.

How would you describe your role?

My role as a graduate Electrical Engineer is extremely varied. Typical activities undertaken include meeting with clients to discuss their design requirements, carrying out onshore and offshore site surveys, completing electrical calculations, marking up and checking drawings, reviewing design documents and writing study reports.

What type of projects have you undertaken?

Since joining Wood Group I have worked with a variety of clients. I started with BP working in the decommissioning team before moving to a power generation project with Apache. In particular, I was stationed offshore on the Forties Delta platform as a Commissioning Engineer. I also took part in a 10 month exchange to SKS Wood in Brunei, where I worked on several projects for Brunei Shell Petroleum in the South China sea. This included responsibility for a construction boat and an electrical construction crew. Since returning to Aberdeen, I have worked on FEED studies of varying detail for StatoilHydro, BP, ExxonMobil and Hess.

What do you enjoy about the graduate programme?

What I enjoy most about Wood Group's graduate scheme is the opportunity to gain diverse project experience with many different clients. The highly varied challenges that this presents ensures no two projects are the same and being given responsibility early on in my career has been really rewarding.

Engineer your future...



Graduate Opportunities

Matthew, Instrument Engineer, CEng MIET

Company:



University: Aberdeen
Degree: BEng (Hons) Electrical & Electronic
Engineering with Management



Why did you choose to join Wood Group PSN?

I joined Wood Group as I wanted to work in the oil & gas industry and to work for a company that would support my career aspirations and help me achieve my goals. Wood Group has a very successful IET accredited programme which has helped me to become a Chartered Engineer within five years.

What do you enjoy about your role?

I really enjoy the problem solving aspect of my job with Wood Group. Every day brings up a new challenge, and with it, new possible solutions. I also like the fact that I am given interesting and demanding work and have been given important responsibilities from the beginning. I also have a choice in the direction my career is taking - when I want to explore new challenges the company provide me with options to help make this happen.

What type of projects have you undertaken?

I spent my first two years as Instrument Engineer on various projects for Shell (Sigma3). The graduate scheme then gave me the opportunity to work in Houston, USA for 12 months as part of an international exchange with Mustang, where I was involved in a FEED study and refinery upgrade. I also spent 10 months working on rotation in Algeria as a Maintenance Engineer during a shutdown period. I've also spent time working as Electrical and Instrument Co-ordinator providing onshore support for the Triton FPSO.

Engineer your future...

Graduate Opportunities



Richard, Instrument Engineer

Company:



University:

Aberdeen

Degree:

MEng Electrical and Electronic Engineering



Why did you choose to join Wood Group PSN?

I chose to join Wood Group PSN's graduate scheme due to the company's commitment to help develop their graduates towards Chartered Status. Wood Group provide a structured technical training programme which is accredited by the IET. Along with on-the-job learning this helps me work towards the competences required for Chartered Engineer Status. The graduate scheme also provides opportunities to travel worldwide and I have completed a one month secondment to Trinidad with our sister company Neal & Massey Wood Group.

What projects have you undertaken?

I have worked on a number of projects since starting at Wood Group with BP, Talisman and TAQA Bratani. During my first 2 years I worked on a Control Improvements Project for BP, where I gained offshore experience to carry out detailed design surveys in order to find solutions to technical queries from onshore. My biggest achievements has been the successful completion of Gas Compressor Drain Valves project completed during TAQA's 2010 Tern Platform Shutdown. I carried out an offshore survey to determine space envelopes available to purchase 30 actuated valves for the Gas Compressors. I worked on the FEED Study which went onto the detailed design stage, where I was responsible for the procurement all equipment for this project and to ensure they were provided in time for the shutdown. I had to ensure they were designed to client's requirements and suitable to fit in tight space. Part of this project was also to modify the Compressor Control Panels for the operation of these Valves. I've also gained valuable experience during my time in Trinidad. This was a one month assignment to check engineering drawings against existing equipment on the offshore platforms located off the South East coast of Trinidad. While there I acquired experience of working and living in a different culture.

What do you enjoy most about your job?

I enjoy the fact that you can move between projects and gain on-the-job experience through working with different teams and increase my understanding of how different clients operate. I am involved in the Young Talent Forum which is there to help graduates with regular presentations to help our knowledge about the company and the Forum organises social events for graduates and trainees.

Engineer your future...



Graduate Opportunities

Nigho, Technical Safety Engineer

Company: WOOD GROUP PSN

University: Aberdeen
Degree: MSc Safety Engineering, Reliability and Risk Management



Why did you choose to join Wood Group PSN?

I was mostly attracted by the formal training plan for engineers aimed towards improving professional competency and attaining chartership. I could also see the potential for growth and the opportunity to build on a career within a large global company.

How would you describe your role?

In safety engineering, we are involved in all phases of a project. Our main focus/deliverable is ensuring that a project design has been safely assessed, maintaining the integrity of the facility, maintaining process safety and loss prevention while ensuring all applicable regulations are complied with.

What projects have you been involved in?

I have worked on many projects - both minor and major modifications. My primary assignment was on the Total contract and I have also undertaken safety engineering projects for Statoil-Hydro, Apache, Triton and TAQA.

What is the best project you have been involved in?

That would be the Total Elgin platform - additional living quarters modification project, where WGE(NS) undertook detailed design, construction and commissioning engineering work. The project involved the addition of 40 beds to the platform as well as refurbishment to the existing accommodation. I was responsible for developing the hazard management plan, fire and gas philosophy, design safety assessment, safety case impact assessment, technical notes, updating the firezone and escape route layouts and carrying out reliability studies.

What do you like most about your job?

The nature of the role means I get to work with the various engineering disciplines as well as meeting with different clients and vendors. The work environment is very professional yet friendly, the people I work with are very supportive and I'm encouraged to give my best all the time. There are new experiences everyday and I enjoy learning from them. The training scheme itself provides a balanced mix of technical and soft skills courses, so I get to develop in my technical discipline as well as develop business/managerial skills. I am also involved in the Young Talent Forum - a committee run by graduates for graduates - which has given me the opportunity to interact with other people and learn more from other disciplines via various presentations delivered by graduates.

Engineer your future...

Graduate Opportunities



Mostofa, Technical Safety Engineer

Company:



University:

Sheffield

Degree:

MSc in Process Safety and Loss Prevention



Why did you choose to join Mustang?

The company's philosophy: 'People -Our Core, Our Future' says a lot about why I have chosen Mustang! I always wanted to work for a company which puts its employee first, so I can concentrate fully on my work, knowing that I will be well taken care of. The company's culture alone set Mustang apart from others.

What experience and training have you had?

I joined Mustang in 2009 in the Technical Safety discipline and started on the Bouri Project and also spent some time working on the SOLAN and BP Andrew projects. During my work in Mustang I have received full support from managerial level and senior colleagues which has greatly aided my learning. One of the most salient points to mention is that whenever I try to do something new, I have full support and appreciation from my colleagues and management, and I have had ample opportunities to be creative and show my potential in work. As a part of Mustang's graduate scheme I have also completed various external training courses including BASEEFA ATEX, Fire Dynamics training as well as in-house trainings such as PIPENET, ANGUS Foam System, all of which have helped in my development.

What international opportunities are there?

Mustang have offices worldwide including in Houston, UAE and India so we have opportunities to go to different parts of the world for short/long assignments which are very important for a graduate. Recently I have been nominated for the Graduate Exchange Programme to Houston. This is a great opportunity to familiarise myself with Houston's working procedure and also to understand the regional differences in codes, standards and regulations.

What do you enjoy most about your job?

As a graduate engineer I have never been tied up with any specific job. I have worked in different areas such as HAZOP scribing, SAMS database maintaining, firewater designing, hazardous area classification etc - which I believe is a key to building my career as an Engineer.

I have also enjoyed my involvement in Young Guns , a group for developing engineers in Mustang, where I have acted as a Young Gun leader for 2010-2011 and participated in 'Movember' and a global corporate walking challenge. Overall, I have found a great place of work where I am challenged by work daily but can also perform to a high standard because of the working culture that exists here.

Engineer your future...

Graduate Opportunities



Ryan, Project Controls

Company:



University:

RGU

Degree:

BA Hons Management



Why did you choose to join Wood Group PSN?

I was attracted to the Project Controls graduate scheme and the chance to gain knowledge and experience in planning, cost and estimating through a detailed 3 year development plan. The scheme offers a mix of internal and external training - from soft skills courses to qualifications recognised by the Association of Project Management (APM) and along the way, I've been supported by experienced colleagues and received guidance from my mentor. What also appealed to me were the opportunities to work in different parts of the world (e.g.. Australia, Houston, Norway, Trinidad) and the opportunities for offshore and site visits.

How would you describe your role?

I am currently working as a Cost Engineer as a shared resource for four separate projects on an Operations & Maintenance contract. I am responsible for establishing project control budgets, ensuring cost control procedures are in place, reviewing cost commitment and expenditure information, forecasting variances in the budget, managing change, providing monthly cost reports and advising management on any cost overruns to allow for corrective action. My key relationships are with the Client, Operations Manager and the Budget Holders (Engineers).

What projects have you been involved in?

The Project Controls graduate scheme has involved completing a number of different placements within the Planning and Cost functions as well as Business Development, Procurement and Commercial. In Business Development, I particularly enjoyed working with discipline engineers, managers and directors to complete bids for submission for new contracts/projects. In Procurement, I worked as a buyer on the Talisman contract and also did some international buying for Shell Brunei which involved chartering planes to transport goods from the UK to Brunei. Working in Commercial, I obtained a good understanding of how budgets and invoice's are put together on the Total E&P contract.

I enjoyed my placement in Planning the most due to the depth and variety of work involved. Responsibilities included completing and issuing weekly planning reports and being solely responsible for planning engineering and construction plans for the Talisman contract. I also played an active role for Hess in their Production Excellence initiative and attended meetings in Copenhagen with senior management for this.

Engineer your future...

Graduate Opportunities



Chris, Project Controls

Company:



University:

Heriot Watt

Degree:

MA (Hons) Management with Business Law



I came to Wood Group through the Saltire Foundation internship programme, where I was posted to the company's US headquarters in Houston. I used that initial involvement to write my dissertation and the experience has had a strong positive effect on my personal and business development. In fact, this initial Wood Group experience has guided my energy industry career to date.

In the seemingly short time I have been a project controls graduate here, I've completed a graduate knowledge development manual for the company's estimating function; co-coordinated the change management process for a £35,000,000 project; and completed a visit to the Elgin Platform in the North Sea's Central Graben to gain the best possible understanding of a major offshore program. Today I'm supporting TAQA Bratani, one of our clients in the North Sea.

I wanted to commence my graduate career with a company where I could see myself as a future business leader – one that would give me more and more responsibility internationally, from Aberdeen to Houston and far beyond.

I hope to keep having a direct impact on the business; to take advantage of future business and personal opportunities. Wood Group's already demonstrated it's willing to keep me involved.

Engineer your future...

Graduate Opportunities



Holly, Supply Chain

Company:



Wood Group GTS

University:

RGU

Degree:

BA (Hons) Management



Why did you choose to join GTS?

Having lived in Aberdeen for the majority of my life I was aware of Wood Group and was attracted by the international scale of the company. With GTS I now have the opportunity to travel whilst advancing in my career. The rotational programme offers an excellent chance to experience the many different locations that GTS works in, and for me this has meant working in Aberdeen, Houston and Switzerland. I am also working towards Chartership with the Chartered Institute of Purchasing and Supply and GTS has been a good fit in my ambitions for this too.

What were your initial impressions on joining the company?

Wood Group GTS is extremely enthusiastic and proud of the graduate scheme that they have built and this is evident in the week long induction week where graduates from throughout the whole of Wood Group attend. This allows everyone a great opportunity to build a network and make relationships with people that you will encounter at various stages of your career. Having been with the company for a year now this is also evident in the number of senior executives who attend our end of rotation presentations and their continued interest and enthusiasm in the scheme provides as an excellent motivator to keep learning and expand on our experiences.

What can you tell us about your rotations?

My first rotation was at Engine Repair Operations in Aberdeen as part of the supply chain and logistics department. This was my first introduction to gas turbines and proved an excellent starting point where I was able to see a number of engines at different stages in the repair process. I was also tasked with a project that looked at the analysis of supplier performance and evaluating their performance against other potential suppliers in the market. This gave me great experience of vendor management and I was also introduced to the wider supply chain business, experiencing the role of buyer and expeditor. My next six months was based in Houston where I was a member of Parts and Services Operations for Power Plant Services. Here I was tasked with leading an inventory management project. This gave me a great understanding of leading a project, time management and also new skills in implementing best supply chain practices. My next rotation is in Baden, Switzerland where I will be working within Advanced Parts Manufacture. Throughout each of the rotations I have been able to attend local CIPS classes or complete long distance courses to keep up with my professional development.

What do you enjoy about the scheme?

The ability to gain wide interaction with different aspects of the business and also different sides of supply chain management has exceeded my expectations. The programme's unique nature within the business gives us a great exposure to senior management and this is something that is greatly valued by the graduates. What's more, I enjoy the ability to maintain relationships with the other graduates in the scheme regardless of what location they are in and our interaction in helping each other as we come across new challenges almost every day.