

Name

Alan Wall

Job

Principal Mechanical Engineer

Company

BAE Systems Submarines

Job Description

Responsible for ensuring the equipment used to test and commission the various submarines and systems are safe for both the product and the operators. This involves understanding the design intent, ensuring all safety considerations have been addressed, ensuring the test equipment is both capable to perform the test and will not cause any damage or contamination to the system under test. Creation of requirements documents and review tender applications. Once suitable equipment is identified, development of a Test Equipment Diagram detailing the setup and any significant safety/operational notes. I also ensure that suitable measurement traceability exists to allow the design intent to be verified with this equipment. Since joining the submarines division just over 3 years ago, I have initiated a number of significant projects to improve safety and traceability. These have resulted in significant costs to date but this is justified to ensure that people and the product are protected whilst ensuring design intent is verified.

Name

Amy Nisbet

Job

Head of Operations – Cyber Security and Secure Information
Systems

Company

Jacobs Plc

Job Description

As Head of Operations, I oversee a team of around 60 ensuring we have the right people available to support clients in many markets, such as energy, rail, roads, defence and National Security. We offer skills such as cyber security, systems engineering and physical security. I am a physicist and previously specialised in physics support to nuclear power plants. I moved into Operations and day to day, now I focus on ensuring that we are a profitable and growing business. Having only started this team 18 months ago, we have already grown significantly and will continue to double in size again over the next year which is a challenging and fast paced environment

Name

Andrea Goddard

Job

Senior Consultant Aerospace Engineer

Company

Industry Forum Ltd

Job Description

Prior to Covid I travelled the world training engineers on how to introduce new products into manufacturing so they met the safety, quality, cost and delivery requirements stipulated by the customer and/or regulations. I also work with companies as a consultant and advise them how to reduce manufacturing costs, still meeting all the requirements. I have the best of both worlds as I get to work with manufacturing and influence how things are made based upon data analysis. Before joining Industry Forum, I worked for many years for Rolls-Royce in Manufacturing Engineering. I helped to bring the Fan Blades into production.

Name

Andrea Whittle

Job

Chief Engineer

Company

VES Ltd

Job Description

Activities that are part of my current role: technical lead on projects, theoretical calculations, problem-solving, presenting concepts and designs in person/remotely, research and development, specifying safety equipment and determining risks, Coding (PLC, HMI and safety relay), machine commissioning, leading a team, collaborating with customers/ suppliers & colleagues, interpreting/drawing mechanical and pneumatic schematics and electrical wiring diagrams

Name

Angela Coulton

Job

Director

Company

Petal and Twig Ltd

Job Description

I studied Earth Sciences at Oxford and the State University of New York. I left Academia in 1997 to join the Civil Service and had a 15 year career in environment and sustainability policy within Defra, which certainly drew on my science background. Since leaving the Civil Service I have applied sustainability principles to my flower business. I've been working with Coventry University Centre for Business and Society for the last 4 years as an invited expert consultant on their investigations into global cut flower supply chains and have also worked with Lancaster University on the carbon footprint of cut flowers. This analytical and campaigning work is an outgrowth of my day job as a florist and flower grower, promoting British and locally grown flowers through my business "Petal and Twig". I am a member of 'Flowers from the Farm', an award winning network of around a thousand small scale florist-growers across the UK who have, over the last ten years, formed an influential grassroots movement to bring back seasonal, sustainable locally grown flowers to the UK.

Name

Catherine Noonan

Job

Engineering Analyst

Company

Jacobs Plc

Job Description

I work on the development and use of software and codes, specifically designed to assess structural integrity and safety in the civil nuclear industry. I interpret the outputs of the software, present the results to our clients, and write my conclusions in technical reports.

Name

Dawn Petts

Job

Nuclear Safety Inspector

Company

The Office for Nuclear Regulation

Job Description

The role of a nuclear inspector is varied. I undertake a range of duties, including planned and reactive inspections on sites and assessment of safety submissions (justifications of safe operations / activities). Sites I visit include:

- nuclear waste sites such as Sellafield in Cumbria
- nuclear fuels sites such as Springfields in Lancashire, Devonport Royal Dockyard in Devon
- new nuclear reactor construction sites such as Hinkley Point C.

The focus of my role is to work as a team to ensure compliance, reassure the public and improve safety standards. I am also expected to investigate incidents and, if I identify shortcomings in compliance (breaches of the law), I can provide advice but may issue verbal and written warnings. The powers available to Nuclear Safety Inspectors also enable us to serve enforcement notices and ultimately initiate prosecutions with the Crown Prosecution Service.

Name

Dr Mayur Jagatia

Job

Group Director – Material Science and Structural Integrity

Company

Jacobs Plc

Job Description

As Group Director, I am accountable for a 200 strong STEM business focussed on understanding the performance of materials used in the energy sector (nuclear, renewables) and submarines, ensuring our country is powered, safe and secure. On a day-to-day basis, I focus on ensuring our technical offerings are good, people management, profit and loss, commercial and legal, business development and strategy to ensure our business is profitable and market relevant.

Name

Jo Crawford

Job

Air Traffic Controller

Company

NATS

Job Description

Each year, around 2.5 million flights and 250 million people fly above our heads in UK skies.

Air Traffic Controllers work with pilots to make that happen quickly, efficiently and, most importantly, safely. Air Traffic Controllers are responsible for aircraft in the climb, descent and en-route phase of the flight. There are 3 types of controllers: Area Controllers - managing the en route phase of the flight, usually at higher levels. Aerodrome Controllers - managing aircraft into and out of airports. Approach Controllers - managing aircraft during their final stages of flight during the approach into an airport.

Name

Linda

Job

Researcher, Author and Digital Technology Policy Advisor

Company

Independent Consultant and Member of Several National and International Boards and Committees

Job Description

I am a former senior executive civil servant and policy chair for Science, Technology and Innovation. Amongst my numerous industry awards is the prestigious international gold medal laureate for government innovation issued in Washington DC. I am now a researcher, author and consultant in digital information management, digital transformation, data science (including artificial intelligence, machine learning and quantum computing) for business and government. In addition, I am currently a School Governor, STEM Ambassador, Quantum Ambassador and a technology advisor for the Skills and Education Forum, Information & Records Management Association, Institute of Intelligent Information Management and the Small Business Association. I am a member of the National Institute of Standards and Technology (NIST) and many other national and international organisations.

Name

Mollie German

Job

Mechanical Design Apprentice

Company

Sellafield Ltd

Job Description

I am Mechanical Design Apprentice, working for Sellafield Ltd, a Nuclear Decommissioning Authority. A degree apprenticeship is a unique opportunity where you study in parallel to working; working four days a week on projects and studying towards my BEng in Mechanical Engineering the other. My role consists of designing innovative solutions to remediate Sellafield Site, using 3D modelling skills, producing calculations and providing safe systems of work.

Name

Moneka Duffy

Job

Junior Mechanical Designer

Company

Sellafield Ltd

Job Description

I am a Mechanical design apprentice for Sellafield working on the retrieval and remediation of the nuclear plant. My job role includes designing methods for containment of radioactive matter and decommissioning of legacy facilities.

Name

Natalie Charnley

Job

Dr/Consultant Oncologist

Company

Lancashire teaching hospitals NHS Trust

Job Description

I see patients who have kidney, bladder and prostate cancer. I discuss their treatment and expectations, and prescribe chemotherapy, novel targeted biological therapies (cancer drugs). I look after them when theyre admitted to hospital because of their cancer. I also plan the curative radiotherapy (xray treatment) for some of these patients. I am also involved in research for patients with kidney cancer for new drugs, and new ways of assessing treatment response

Name

Neil Kiley

Job

Electromagnetics Specialist

Company

BAE SYSTEMS

Job Description

Aircraft rely upon complex systems that use electromagnetic (EM) waves for communication, navigation, and sensing. They also fly in an environment where they encounter powerful EM fields from radars, television or radio transmitters, can be struck by lightning, with potentially catastrophic consequences. My job is to make use of computer modelling, test and measurement to help guide the design of aircraft, and verify that the design meets requirements, the systems using EM fields work properly, and the aircraft can fly safely in the EM environment.

Name

Nicky Patterson

Job

Air traffic controller

Company

NATS

Job Description

Responsible for the safe and efficient movement of aircraft in and out of Manchester airport. Moving aircraft around on the ground and in the air. Providing a service to light aircraft flying near the airport.

Name

Nigel Roocroft

Job

Advisory Learning Business Partner

Company

KPMG

Job Description

I work in the learning and development function of the Global people team in KPMG. My role involves working with a team to design, develop and deploy training to ensure our consultants are able to effectively work with their clients. These can be classroom based, online or delivered in a blended way and are often deployed to over 150 countries. In particular, I work closely with the Information Security team to ensure that appropriate training is available for graduates through to experienced managers. [For background - KPMG is a professional services company that employs over 200,000 people worldwide.]
Related Job History: Management Consultant: Advising businesses on how to solve complex problems, often with technology based solutions. IT Director roles: Managing all the IT services for a financial services company and an international retailer

Name

Paul Kirkham

Job

IT Business Partner

Company

Warburtons

Job Description

The role of IT Business Partner is to ensure the business maximise benefit from the use of technology. The ITBP focuses on strategic initiatives and planning activities for their business areas. They look to understand market challenges, customer priorities and competitive issues. As well as business partnering, the role includes aspects of business analysis, project management and service delivery.

Name

Rebecca Ashton

Job

Senior Accountant

Company

Studholme-Bell Limited

Job Description

Work within the firm as one of the accountants who directly interacts with clients on a day-to-day basis. One of my main responsibilities is to oversee the VAT and bookkeeping services provided by the firm and provide training and support to clients regarding the latest cloud-based software, however I get involved in the preparation of accounts and tax returns also. The firm aims to provide a personal service to the clients, helping them with their tax and future planning queries.

Name

Robert Harwood

Job

Consultant Environmental Geologist

Company

Oryx Mining & Exploration Ltd

Job Description

Currently I am working as a Contract Environmental Geologist in which I focus on mineral exploration projects in remote areas of Sub-Sahara Africa. My project management position mainly entails the smooth running of these projects and which also involves the managing of multi-disciplinary & multi national teams. I have BSc (Hon) in Applied Geology & MSc in Environmental Management & Sustainable Development, I also served in the RAF prior to going to University.

Name

Robert Turnock

Job

Project Engineering Manager

Company

Sellafield Ltd

Job Description

Sellafield is a Nuclear Site in Cumbria, North West England. For decades Sellafield has produced energy from nuclear power and managed reprocessing and waste from the UK's Nuclear Energy Industry. I am a Mechanical Engineer and I lead an engineering design team in the delivery of tasks and projects for the safe and secure clean-up of the Sellafield Site. This involves problem solving for engineering tasks and the design and manufacture of tools, containments and engineering systems to enable decommissioning of nuclear facilities in a safe manner.

Name

Salma

Job

Business Advisor

Company

Manchester Metropolitan University

Job Description

Supporting businesses within the Greater Manchester interested in 3D print and additive manufacturing. My role is to complete an initial diagnostic with a business to find out why they are interested in 3D print, from there the business is enrolled on a range of workshops which help them to better understand how this technology works and the areas where it can be applied. Companies are then selected for a further phase where we provide technical assistance to help them develop their idea and create a prototype.

Name

Stephen Moncrief

Job

Director

Company

MonActs Ltd

Job Description

I work as an independent actuarial consultant. Actuaries are problem solvers and strategic thinkers who use their skills to help measure the probability and risk of future events.

Name

Steve Rawlinson

Job

Estimating Manager

Company

John Sisk & Son

Job Description

John Sisk & Son are a Construction company that works across the UK, Ireland and Europe. I manage a Team that bids for work across England and Wales for Highway and Infrastructure schemes, i.e. the construction of roads, bridges etc. We take the details received from clients and work out the methodology of building the works, the programme to build it and how much it is all going to cost.

Name

Vicki Smith

Job

Resourcing Manager - Sales

Company

Jacobs Plc

Job Description

As Resourcing Manager in the Sales team, I oversee the implementation of sales support to the pipeline of work coming to procurement from all areas of the Nuclear industry from New Build to Decommissioning plus our Cyber & Intelligence, Space & Hydrogen growth campaigns. Day to day I interact with our Growth & Strategy Directors to fully understand where we need to focus our Sales efforts in line with our global Nuclear strategy.

Name

Simon Bourne

Job

Key Account Manager (Life Time Services)

Company

TGW Limited

Job Description

Key Account Manager for our customers who use our Lifetime Services. Manage our Engineering teams on our customer's sites who support our Automated logistics solutions including Robotics, conveyors, cranes and shuttles.