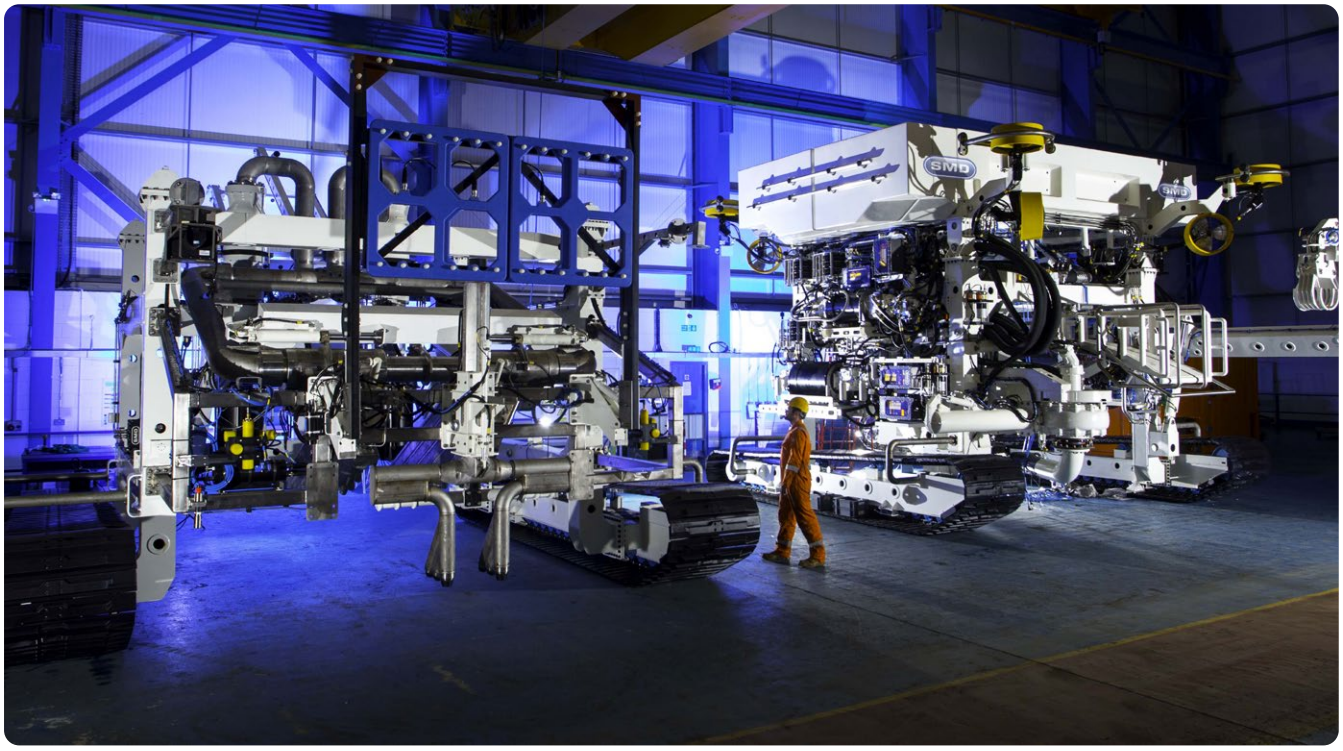
GRADUATE ENGINEERING SCHEME



- Winner of five Queen's awards
- Over 50 years of experience in subsea engineering
- Delivered 12 world-first projects
- Largest range of work class ROVs on the market
- Global customer base
- Accredited by Investors in People

About SMD

SMD will be the most advanced supplier of subsea remotely operated and autonomous power and control solutions, worldwide.

For 50 years, SMD has partnered with pioneers in industry and science to take technology and engineering to places that people have never been.
We specialise in the design, manufacture and deployment of remotely operated and autonomous power and control solutions. They help our partners around the globe to harness the potential of the most challenging subsea environments with maximum safety, efficiency and sensitivity.

We're always willing to be first
Our collaboration with partners in industry has delivered 12 world-firsts on critical client projects, and our teams are always willing to break new ground, and work with a smile. We develop our own Tech and R&D, engineering world-first technology that redraws the boundaries of what is possible, subsea.

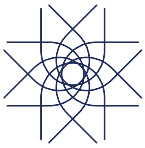
We build strong relationships
Our engineering, products and 24/7 support services can be relied on to help our partners secure the best return on investment, while protecting people and the environment.

Innovate with us

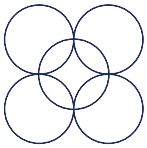
What's in it for you?

— Competitive starting salary
— Opportunities to work on world-first engineering projects
— Varied programme offering training opportunities in a range of areas
— Flexible hybrid working options
— Opportunities for international travel
— Free onsite catering facilities, Bupa private healthcare, contributory pension scheme and flexible benefits scheme.

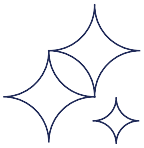
Our values



Boundless Creativity
We foster innovation throughout the company. Embracing adaptability and boundless creativity to consistently deliver excellence



Enduring Partnerships
We seek to collaborate with all our stakeholders to promote enduring parterships based on trust and continuous improvement



Highest Service Standards
We are dedicated to delivering the highest service standards in all we do and adding value to our clients

Sustainability
We care about the long term future of the planet by investing in our technology and our operations to support the energy transition to Net Zero

INVESTORS IN PEOPLE®
We invest in people Silver

Investors in People Accredited
Investors in People is a standard for people management, widely recognized as a mark of excellence for organisations that value their workforce and are committed to developing their employees to achieve business success. They provide a framework which focuses on aligning organisational strategies with effective leadership, employee engagement, and development practices which supports SMD to achieve high performance through our staff.

SMD World Firsts

SMD is underpinned by a commitment to innovation. Our 12 world firsts form a fundamental part of our history, having shaped us into the industry-leading pioneers we are today. From debuting a diverless pipeline plough in 1983 to launching the high-performance Quantum EV in 2024, our technology has consistently pushed boundaries in pursuit of engineering excellence underwater.

1983—Diverless post lay burial pipeline plough

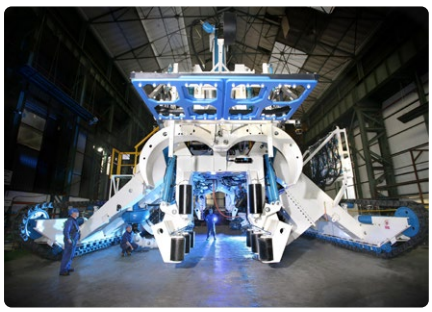
1984—Simultaneous lay and burial plough for submarine telecoms

1997—Largest diverless jet sled delivered to trench pipelines to 5m

2003—Cable lay & burial tractor delivered for offshore wind

2005— AMP500 most advanced pipeline plough

2008—UT1 Largest & most powerful free flying jetting ROV



2008—RT-1, world's largest subsea trenching vehicle

2016—Commercial deep sea mining vehicles

2017—6000m work class ROV system & electric drive LARS

2020—Deep Dig-It developed to bury power cables to 5m depth

2022—SMD Artemis® cable and pipeline tracker enables tracking of cables to 5m burial depth

2024—SMD Quantum® EV first electric heavy duty work class ROV

The Graduate Scheme

If you share our values, our ambition and our energy, then SMD is a great place to work. As a world leading manufacturer of subsea remotely operated vehicles we can promise you a career at the cutting-edge of some of the biggest and most innovative markets in the global economy. And our offer is about so much more than a competitive salary and excellent benefits package. If you join SMD, you will be part of an outstanding team. You'll have the opportunity to progress and thrive. We enjoy what we do... and we think you will too.

We are looking for graduates with an analytical mind that can think outside of the box and work as part of a high performing team.

The duration of the scheme is two years after which permanent employment may be offered in a variety of engineering disciplines. Graduates joining the business will experience a scheme enriched with an understanding of complete product life cycle, from bespoke design for a client through to manufacture, commissioning and customer support.

In addition to spending time in Engineering and Design departments, Graduates will be given an opportunity to add value through experience in one or more of the following areas:

- Supply Chain Management
- Production
- Commercial/Contract Management
- Sales/Business Development
- Planning/Operations Management
- Project Management and Project Engineering

Apply today
SMD is looking for graduates with a passion for engineering excellence who wish to grow their talent and realise their potential, to become SMD's next generation of innovative engineers and contribute to the company's continued success. If you think this is you, please submit your CV via our Website Careers Page.

What to expect as an Electrical Engineer

As an Electrical Engineer you will work on:

- Communication systems including audio and radio links through to GB Ethernet, high speed RS232/485 and bespoke serial protocols (CANOpen, MODBus etc.).
- Electric motors and drive systems for hydraulics, propulsion and winch drives.
- Safety systems for interlocks, E-Stop protection and circuit overloading.
- Video display and distribution technology alongside digital storage.
- Interfacing subsea equipment such as cameras, lamps, scientific sensors, survey sonars and instrumentation.
- Learn to understand schematics, line drawings, bills of materials and how to put these together using CAD software (2D/3D) into real products.

We believe in challenging our graduates from day one. Engineering is at the heart of our dynamic business, and we need competent, passionate engineers to help us move forward and to keep delivering state of-the-art, one of- a-kind systems to meet increasingly challenging demands from our customers.

If you think you have what it takes, join our team and come on an exciting journey with us.

What to expect as a Mechanical Engineer

As a Mechanical Engineer you will work on:

- Vehicles from a 2 tonne ROV up to a 300 tonne subsea trencher.
- High strength steel structures for subsea plough frames and ship deck launch and recovery systems.
- Lightweight aluminium chassis for subsea swimming vehicles.
- Thruster propulsion systems.
- Hydraulic motor drive and actuator systems.
- Waterpower systems for seabed trenching.

To be part of the mechanical engineering team you must have a passion for problem solving. You will be at the forefront of new product design, and you will have the opportunity to watch your designs grow from a concept to a reality. You will have the opportunity to take new products offshore and see them in operation. As the industry continues to face challenges, our customers expect the best from our products, and our people.

If this sounds like you, apply today to join our dynamic team and help up to provide customers with excellently engineered solutions.

What to expect as a Software Engineer

As a Software Engineer you will work on:

- Software protocol driver (NMEA, TCP/IP, CAN, MODBUS).
- Control theory.
- User experience design (UX).
- Interface graphics.
- Database storage and analysis.
- 3D Virtualisation

To be part of the software team you must have a passion for technology and best practice.
Our software team create the backbone of our complex and diverse systems, you will be tested on your creativity, your ability to integrate complex pieces of equipment and your problem-solving skills as technology continues to change. As we strive to stay at the forefront of technology, you must be able to adapt and evolve to face new challenges in this ever-changing market.

Join SMD and make a difference, help develop new and exciting subsea technology.

"I am hugely grateful for getting the chance to spend time in the workshop and to get hands-on with the equipment"

Testimonial

"I completed my BEng in Mechanical Engineering from Northumbria University in 2018, then returned to Northumbria University and graduated with an MSc in Renewable & Sustainable Energy Technologies in 2022. I applied for SMD's Graduate Scheme shortly before graduating.

I first came across SMD in my first year at Uni at a careers fair; after chatting to the staff, I was immediately interested in the work that SMD do and had aspired to join the company ever since. SMD are a well-regarded and industry-leading company within the offshore OEM (Original Equipment Manufacturer) sector and offer a range of both standardised and bespoke products which – from a Mechanical Engineering perspective – provides a diverse range of engineering to get involved with and plenty of opportunities to learn something new.

Before coming to SMD I had some very basic knowledge of the offshore industry from my employment history, which helped me to recognise certain products and their functions, but thanks to SMD's very positive learning culture I quickly found myself learning new things and asking a lot of questions. My advice to new Graduates interested in SMD would be not to worry about revising SMD's entire product catalogue or knowing every detail about the company, but would encourage them come with an inquisitive mind and to be interested in learning something new; you will find people are happy to get an opportunity to speak about their work!

One aspect of my time at SMD that I am hugely grateful for is getting the chance to spend time in the workshop and to get hands-on with the equipment. It is essential for Engineers to understand how products translate from a screen to real life; it helps us to develop our design skills, problem solving skills, and provides important context for us to better know our equipment and how our clients use it. SMD actively encourages this with their Graduates and Engineers, which I have found not to be the case everywhere else!"

Liam Hunt, MSc
Graduate Engineer

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