

Power the Future and Connect the World

with a Career in the Subsea Telecommunications and Power
Cabling Industry



EUROPEAN
SUBSEA

CABLES
ASSOCIATION

What is ESCA?

ESCA is the European Subsea Cables Association, a professional organisation representing companies at the forefront of subsea telecommunications and power cable infrastructure—critical to global connectivity and the future of our electricity networks.

What is the Subsea Telecommunications and Power Cabling Industry?

Beneath our oceans lies a vast network of cables which make up the foundation of our modern world, enabling global internet connectivity, and supporting renewable energy infrastructure. We **design, install, operate,** and **maintain** this critical infrastructure within the UK and all around the world.



Image: Subsea telecommunications network in northern Europe. Source: TeleGeography.

Why choose a career in this sector?

Whether you're passionate about engineering, marine science, computing, or environmental sustainability, the subsea cable industry offers exciting, meaningful careers with real-world impact. For example:

- **Route Engineer** – Plan optimal paths for cable installations.
- **Submarine Cable Engineer** – Design cabling solutions and maintain connectivity for telecoms and power cables.
- **Marine Consent and Permitting Manager** – Secure environmental and legal approvals for infrastructure projects in the UK and beyond.

- **Marine Surveyor** – Explore and assess the seabed for cable laying.
- **Ecologist** – Provide valuable insights into the environmental protections necessary for marine operations.

Who thrives in this industry?

The Subsea Telecommunications and Power Cabling industry welcomes students from a variety of degrees and disciplines, including **Engineering** (Civil, Electrical, Mechanical, Marine, Coastal, Energy), **Environmental Sciences** (Marine Biology, Oceanography, Geoscience), **Computing** (Computer Science, GIS), **Physics** (especially Photonics and Optics), and **Project Management**.



Image: Subsea telecoms cable 2Africa landing in Bude, Cornwall.

How to start your career in the Subsea Cabling Industry

The industry is made up of a wide range of companies — each offering different routes into exciting and impactful careers. Ways to get started include:

- Graduate Schemes
- Summer Placements & Year-Long Internships
- Entry-Level Roles
- Apprenticeships
- Work Experience Opportunities

What specific opportunities are available?

We've compiled for you a short list of graduate opportunities currently open and in relation to the subsea industry:

- **Graduate Geophysicist and Graduate Hydrographic Surveyor:** A2Sea – Romsey, Hampshire (www.a2sea.co.uk/careers)BPP
- **Earth & Water Graduate Opportunities:** WSP – UK (<https://www.wsp.com/en-gb/careers/graduates/water-and-energy-graduates>)
- **Summer and Year Industry Placements in Water & Energy:** WSP – UK (<https://www.wsp.com/en-gb/careers/undergraduate-placements>)
- **Power Transmission, and Engineering Graduate Roles:** SSE – UK (<https://careers.sse.com/sse-graduate-programmes>)
- **Summer Employment and Graduate Opportunities:** Gibraltar Telecom – Gibraltar (<https://www.gibtele.com/careers/students>)

Don't fancy these roles? Many of ESCA's member organisations **offer early careers opportunities** which they advertise on their websites or **welcome speculative applications** for graduate roles and industrial placements. To learn more about ESCA's members, go to:

<https://www.escaeu.org/members/>

Image: Young engineers visiting the cable ship C.S. Sovereign.

