



HCS

HCS Control Systems Limited., founded in 1997 and headquartered in Glenrothes, Scotland, specializes in consulting and engineering. HCS is actively engaged in the hydrogen industry, focusing on critical areas such as orbital welding, certification, containerized or skid solutions, design, manufacturing, prototypes, system integration, and pressure testing. HCS has been actively collaborating with Hydrogen Scotland members to advance energy solutions and has been a member of Hydrogen Scotland for several years. HCS operates its hydrogen-related projects in Glenrothes, Scotland. This location serves as a hub for their collaboration with Hydrogen Scotland and other industry partners.

Key Capabilities / Centres

Descriptions

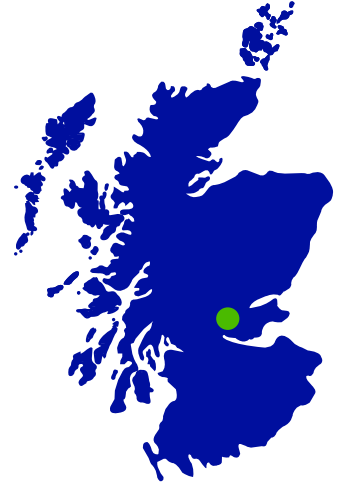
Orbital welding, certification, containerised control room solutions, and pressure testing.

HCS Glenrothes site facility specializes in the design, in-house manufacturing, assembly, and testing of equipment for various industries, including subsea and hydrogen technologies. Their capabilities include producing direct hydraulic production systems, installation and workover systems (IWOCs), subsea distribution units, and topside equipment for umbilical systems involved with the movement of gases and liquids. The Glenrothes site also serves as a hub for collaboration with Hydrogen Scotland, focusing on orbital welding, pressure testing, installation services and the design and manufacturing of modular units and containerized solutions. It also focuses on developing electrolyser systems for hydrogen production and certifying designs to meet industry standards. This site serves as a hub for innovation and collaboration, advancing hydrogen systems and contributing to the energy transition.

Collaboration opportunities

- **The TechX Accelerator program**, built on opportunities for startups and expert partners, provides tuition, expert guidance, advice, and field trial opportunities across the hydrogen value chain.
- **Wind2Hydrogen** collaborates with wind developers on hydrogen market entry, addressing common technical and commercial challenges with a unified voice.
- **Joint Innovation Programs** provide opportunities with industry partners to develop net-zero solutions, technologies, and initiatives, and drive standardization.
- **Technology Services** offer opportunities for net zero technologies to be included within the databases.

Centre location



Value Chain Areas

Testing & validation

Pilot manufacturing

Digital tools & simulation

Open innovation spaces

Skills development

Production	✓	✓	X	✓	✓
Networks	✓	X	X	✓	✓
Storage	✓	X	X	✓	✓
Transport	O	X	X	X	X
Industry	O	X	X	X	X
Power	O	X	X	X	X
Heat	O	X	X	X	X

*Tick = yes, O = potential, X = no

Hydrogen case studies

Our initial customers include:

Edinburgh based Hydrogen companies
Several NDAs signed to supply UK Electrolyser companies with pipework and subsystems

Key hydrogen contact:

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