



Bright Green Hydrogen

Bright Green Hydrogen delivers specialist education, outreach, and engagement programmes that support industry, public sector, and community stakeholders to understand, adopt, and participate in the hydrogen and net-zero transition. They translate complex energy technologies into practical learning, workforce awareness, and public confidence.

Key Capabilities / Centres	Descriptions
Education, Skills & Workforce Development	Design and delivery of tailored hydrogen and net-zero learning programmes for industry, public sector, education providers, third party and community partners. Supports workforce readiness, green-skills pathways and regional skills ecosystem development.
Hydrogen Awareness, Engagement & Social License	Public and stakeholder engagement that builds confidence in hydrogen technologies, improves sector literacy, addresses misconceptions, and supports place-based and just-transition approaches to technology adoption.
Evidence-Based Learning & Communication Design	Learning and communication grounded in STEM pedagogy, science-communication research, and audience-led design. Ensures accessible, relevant education for technical and non-technical stakeholders across varied age groups and backgrounds.
Partnership-Driven Delivery & Co-Design	Collaborative development and co-creation of programmes with industry, local authorities, education institutions, and community organisations. Flexible delivery models including workshops, outreach, short courses, and bespoke partner-led initiatives.

Value Chain Areas	Testing & validation	Pilot manufacturing	Digital tools & simulation	Open innovation spaces	Skills development
Production	X	X	X	X	✓
Networks	X	X	X	X	✓
Storage	X	X	X	X	✓
Transport	X	X	X	X	✓
Industry	X	X	X	X	✓
Power	X	X	X	X	✓
Heat	X	X	X	X	✓

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

Collaboration opportunities

- Stakeholder education to support adoption of hydrogen and low carbon technologies
- Community and public engagement, helping build trust and social acceptance
- Workforce skills and development aligned to hydrogen and renewable energy opportunities
- Co-designed learning programmes with industry, local government and academic partners
- Curriculum and resources supporting school-to-work hydrogen pathways
- Evidence-based science communication, supporting project-specific or regional net zero strategies

Strategic Value for Partners

- Reduces barriers to hydrogen adoption through improved knowledge, confidence and skills awareness
- Strengthens stakeholder alignment around net-zero and hydrogen strategies
- Supports inclusive growth by connecting innovation with people, place and opportunity

Centre location



● = BGH main site

Hydrogen case studies

- **H100 Fife Schools Programme** - Delivered hands-on wind and hydrogen workshops to help pupils understand the H100 Fife clean-energy project
- **Edinburgh College STEM Outreach** - Provided renewable-energy and sustainability workshops across Edinburgh, Midlothian and East Lothian as part of a major STEM engagement programme.
- **Green Futures Festival** - Engaged community members of all ages with interactive clean-energy activities at the East Lothian Climate Hub's Green Futures Festival.
- **World of Work Day** - (St Columba's Primary) Inspired pupils by showcasing green-energy careers and facilitating solar-powered transport design activities.
- **Fife STEM Learner Celebration Day** - Hosted hands-on renewable-energy experiments and supported community awareness of the H100 Fife project
- **K'NEX Engineering Challenge** - Supported engineering challenges in East Dunbartonshire where pupils built renewable-energy models.

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