

Case Study: Refurbishment Services

Creating a Research Environment for KI Hydrogen

Client: KI Hydrogen

Location: TEP (Technology & Engineering Park)

Project Value: £16,000

Project Duration: 3 weeks

Industry: Research, Development and
Production of Hydrogen

Client Requirements

KI Hydrogen, an early-stage startup pioneering a novel method of producing hydrogen from biomass waste, required a dedicated research space to develop and scale up their production process. The facility needed essential services installed to accommodate specialist equipment while maintaining a safe and functional working environment.

Solution Provided

Zenith's refurbishment department delivered a tailored solution to ensure the research engineers had a fully equipped and compliant workspace. The project involved:

- **Upgraded Electrical Supply:**
Dedicated power installation to support specialist hydrogen production equipment.
- **Ventilation & Extraction:**
Installation of an extraction system to safely remove fumes from the research process.

Fume Extraction



Further details can be found on the following page.

- **Plumbing & Sinks:**

Essential water supply and drainage systems for laboratory operations.

- **Protective Materials:**

Application of durable, resistant materials to safeguard the surrounding environment.

- **Emergency Safety Shower:**

Installed to meet health and safety regulations in case of accidental exposure.

Project Challenges & Collaboration

Given the high technical specification of the services and materials used, Zenith worked closely with KI Hydrogen and other third-party contractors to ensure seamless integration of the research facility's critical infrastructure. Coordination was key, particularly with hydrogen production and gas safety specialists, to meet all regulatory and operational requirements.

Client Feedback

"Zenith have worked closely with us to accommodate the unique technical requirements, where the work has interfaced with other third-party contractors. As a startup, we're grateful for the support in a relatively unknown space, where resources are highly constrained. It would have been difficult to get to this stage without the support from TEP and Zenith. Thank you!"

KI Hydrogen

Outcome

The completed project provided KI Hydrogen with a safe, functional, and efficient research environment, enabling them to advance their hydrogen production technology. By successfully integrating key infrastructure, Zenith has supported an innovative, world-first approach to sustainable hydrogen production.

Contact

For more information, please call us on 024 7668 7167 or email info@zenithcontractservices.co.uk

Cabinet and Extraction



Electrical



Shower & Sinks