**Hydrogen & Synthetic Fuels: Explosion Protection for a New Energy Era**

Europe’s energy landscape is evolving rapidly. As investment accelerates in green hydrogen and synthetic fuels (e-fuels), the need for robust explosion protection is greater than ever. Ex-tech Signalling is at the forefront, providing certified signalling solutions that keep people and assets safe in these high-risk environments.

**From Traditional Refineries to Hydrogen & Synfuels**

While new refinery and petrochemical builds in Europe have slowed, a new wave of energy infrastructure is emerging. Projects focused on hydrogen and synthetic fuels involve high volumes of flammable materials throughout their production and supply chains. From electrolysis hubs to methanol and Fischer-Tropsch (FT) facilities, and hydrogen-ready import terminals, the risk of explosion is significant. Every part of these operations requires equipment that is certified for hazardous areas.

**Why Explosion-Proof Signalling Matters**

Ex-tech Signalling designs and manufactures visible and audible signalling products for hazardous areas. These ATEX and IECEx certified sounders, beacons, manual call points, and push buttons are trusted across hydrogen, methanol, and syngas sites, helping to ensure safety today and in a lower-carbon future.

**Key Applications:**

* **Electrolysis halls**
* **Compression and storage areas**
* **Methanol synthesis units**
* **Ammonia import and cracking facilities**

**Product Highlights**

* **Explosion Proof Sounders:** SD150 (GRP) and SD125 (Stainless Steel) – ATEX/IECEx and SIL2 compliant, engineered for loud, clear alerts in Zone 1 or 2, onshore and offshore.
* **Explosion Proof Beacons & Status Lights:** BC150 (GRP) and BC125 (Stainless Steel) – High-visibility warning, ATEX/IECEx certified, SIL2 options.
* **Explosion Proof Call Points:** CP125 – Flameproof manual call point, optional SIL2, designed for corrosive environments and compatible with PLC/ESD/DCS systems.
* **Explosion Proof Push Buttons:** PB135 (GRP) and PB125 (Stainless Steel) – Essential for manual emergency shutdowns and F&G system integration.

All Ex-Tech Signalling products are ATEX/IECEx certified and SIL2 rated, ensuring compliance and reliability in the most demanding environments.

**ATEX/ IECEx Certified Signalling Devices from [Channel Partner Name]**

Whether you’re building new hydrogen and synfuel plants or upgrading existing sites, as official channel partner of Ex-tech Signalling in **[Region],** we provide the reliable solutions you need for safety systems in hazardous areas.

**Contact us for technical support, product selection, or to discuss your next project.**