



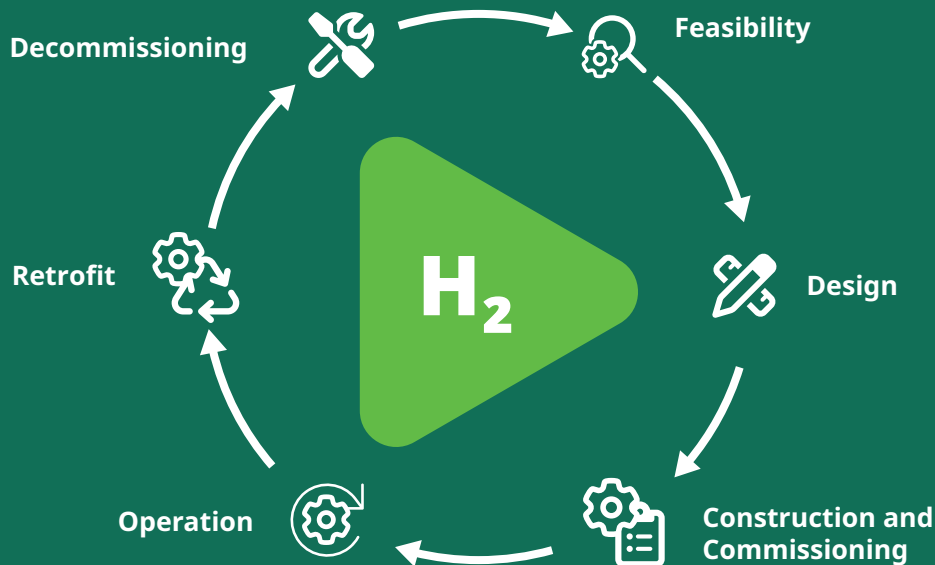
# Renewable Hydrogen Services

Safety and Sustainability  
across the entire value chain

# Empowering the hydrogen transition with expert support

At DEKRA, we support the vision of a future based on the Hydrogen Economy and act as a key partner in the transition towards safe decarbonization.

We offer a broad range of services throughout the project lifecycle to ensure safety, compliance and efficiency, helping you achieve your environmental, social and sustainability goals.



## Comprehensive Safety Management in H2 projects

We specialize in safety management for industrial projects, from the earliest phases through to operation. We provide technical advice and solutions to identify, assess and manage risks, ensuring safe and efficient processes and plants.

- Risk Analysis: HAZOP, HAZID, What-if, BOW-TIE and Functional Safety: SIS/SIL.
- Fire and explosion consequence and risk analysis: EAC, FERA, BRA, QRA and ALARP studies.
- 3D Simulations: CFD studies for detailed fire/explosion, ATEX, ventilation and F&G analysis.
- Emergency Planning and Response: EERA, SEVESO, Internal Emergency Plan and training drills.
- ATEX and Electrostatic solutions.
- Industrial Cybersecurity: Cyber SafePS.
- Training: hydrogen risk management and IsmATEX certification, INERIS certification.
- Safety Management: SMS audits, organizational safety and OPS.
- Human-Machine Interaction: assessments according to the European Machinery Regulation.
- Maintenance Optimization: RCM studies and sensor-based solutions.



## Periodic Equipment Inspection

We offer a wide range of inspection services to ensure safety, efficiency and regulatory compliance.

- Fire detection and protection.
- Verification and certification for compliance with ISO 22734.
- Advanced and conventional Non-Destructive Testing, NDT.
- Voluntary and statutory inspections.
- Infrastructure inspection.



## Environmental Studies and Audits

We help you reduce your environmental impact, improving competitiveness and regulatory compliance.

- Environmental Impact Assessments.
- Documentation to process the Integrated Environmental Authorization.
- Environmental Due Diligence (EDD).
- Legal compliance audits.
- Environmental risk modelling and analysis.



## Corporate Sustainability

We help you identify the risks and opportunities in your ESG strategy.

- Corporate Sustainability Reporting (CSRD).
- VSME Report for SMEs.
- EU Taxonomy (Sustainable Finance).
- Carbon and Water Footprint Calculation.
- ESG analysis, Circular Economy and Life Cycle.
- Consulting services to obtain the EcoVadis rating.
- Sustainability certifications for buildings (LEED, BREEAM, WELL).
- Energy audits and decarbonization plans.



## ESG Evaluation, monitoring and supervision

We help you comply with the CSRD, define targets and certify your company's sustainability to strengthen its reputation.

- Supply chain assessment.
- ESG, Cybersecurity, Operations, Legal and Compliance risk analysis, etc.
- Project monitoring and supervision.



## Renewable Hydrogen Certification

We certify the production and distribution of renewable hydrogen, ensuring safety, sustainability and transparency.

- ISCC (International Sustainability & Carbon Certification).
- CertifHy (certification of renewable and non-renewable hydrogen).

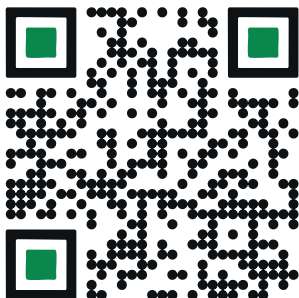


## ¿Why DEKRA?

- ▶ Comprehensive experience in process management, safety, inspection, testing and training.
- ▶ Experts in hydrogen regulation, ensuring regulatory compliance and minimizing risks.
- ▶ An independent and trusted partner.
- ▶ Global network and local expertise for tailored hydrogen solutions.

## ¿Are you ready to drive the future with hydrogen?

Contact us to discover how our experience and solutions can support your journey throughout the hydrogen lifecycle.



[www.dekra.es/es/servicios-hidrogeno/](http://www.dekra.es/es/servicios-hidrogeno/)

