



# TÜV Austria Belgium

Partner in Integrity and Sustainability





**Who**

**are we?**

**A**

**leading**

**international**

**independent**

**service provider**

**in the area of**

**safety**

**quality**

**environment**

**resources**

**training**



The sustainable  
improvement of  
safety & quality.

**What**

do we stand for?

Performing our services in a

socially environmentally ethically

responsible way



**We**

**promote**

**Research.**



TECHNISCHE  
UNIVERSITÄT  
WIEN

**16 PhDs.**

**Innovation.**



**Remote Inspection**

**Online Customer  
Platform**

**TRUSTED AI**

**Sustainability.**

**E-Mobility.**

**Green Energy.**

**Photovoltaics.**

**Recycling.**

**Reforestation.**



# The numbers behind TÜV Austria



€310 Mio.

revenue 2022

+3.200

employees

34

countries in Europe, Asia and Africa

Leader

Testing, Inspection & Certification

World Leader  
in selected niches

Acoustic Emission testing

certification of biodegradable products



# One-stop-shop assets integrity



- ✓ Materials selection
- ✓ (A)NDT during construction
- ✓ Certification (as NoBo/Vlarem)
- ✓ Commissioning (Vlarem)
- ✓ Corrosion and coating testing
- ✓ Risk analysis
- ✓ Consultancy
- ✓ Design review

- ✓ Advanced NDT
- ✓ NDT
- ✓ DMR & RBI
- ✓ Corrosion- and coating inspections
- ✓ Structural health monitoring
- ✓ Analysis remaining life
- ✓ Regulatory Inspections

- ✓ Extensive Monitoring
- ✓ RISE
- ✓ ...

- ✓ Failure analysis
- ✓ Materials selection
- ✓ Corrosion and coating testing
- ✓ Support design

# Overview sustainability services

PRODUCT CERTIFICATION	MANAGEMENT SYSTEM	GREEN HOUSE GASES	OTHER
OK Compost	ISO 20121	ISO 14064-1	EMAS (EU Regulation 1221/2009)
OK Biobased	Zero Waste to Landfill	ISO 14064-2	COPPER SCRAP (EU Regulation 715/2013)
OK Recycled	ISO 46001	EU-ETS (EU Regulation 2018/2067)	METAL SCRAP (EU Regulation 333/2011)
EN 15343	Hydrogen Private Schema	CORSIA	F-GAS (EU Regulation 517/2014)
ISO 14067	Green Star ESG Evaluation	Airport Carbon Accreditation	ISO 26000
CBAM Verification		Zero Carbon Organization	GRI Verification
EPD		ISO 14046	AA 1000
IFS ESG Check		ISO 14068	ESG Reporting Services (Mandatory Field)
IFS Carbon Footprint		CDP	
		Carbon Offsetting Projects	

# TÜV AUSTRIA'S EXPERTISE IN PLANT ENGINEERING AND ARCHITECTURE FOR (GREEN) HYDROGEN PROJECTS



## Design

Our plant commissioning services begin with expert guidance and support to ensure the smooth and efficient startup of (green) hydrogen production facilities. We prioritize quality assurance throughout the commissioning process, ensuring that all systems and processes meet the highest industry standards.

## Innovative Solutions

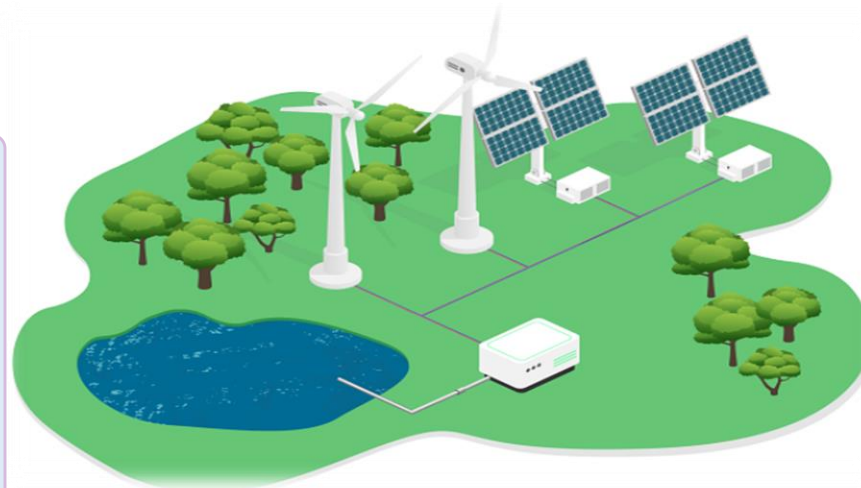
We offer innovative engineering solutions tailored to the unique requirements of (green) hydrogen production, ensuring sustainable and effective plant operations.

## Environmental Integration

We prioritize environmental integration, creating (green) hydrogen facilities that seamlessly coexist with surrounding ecosystems.

## Research & development

Our chemistry expertise extends to research and development, driving innovations in (green) hydrogen production processes and materials.



## Comprehensive testing

We conduct thorough testing and inspections to verify the operational readiness of all components, guaranteeing optimal performance.



# TÜV AUSTRIA'S ROLE IN ENSURING SAFETY AND COMPLIANCE IN GREEN HYDROGEN PROJECTS

1

## **Risk Mitigation**

We specialize in identifying and mitigating potential safety risks associated with (green) hydrogen projects, ensuring a secure operational environment.

2

## **Regulatory Compliance**

Our certification services ensure strict adherence to regulations and standards for (green) hydrogen plants, promoting environmental sustainability and safety.

3

## **Verification Processes**

Our certifications provide industry recognition, demonstrating compliance and commitment to sustainable (green) energy practices.





# TÜV AUSTRIA'S EXPERIENCE AND TRACK RECORD IN (GREEN) HYDROGEN PROJECTS



## Project Success

Our extensive experience includes successful completion of diverse (green) hydrogen projects, reflecting our commitment to excellence. f.e. H<sub>2</sub>-compatibility of existing pipeline materials



## Expert Team

Our skilled team members bring in-depth knowledge and expertise, ensuring the delivery of high-quality results in (green) hydrogen initiatives.



## Environmental Impact

We prioritize the environmental impact of (green) hydrogen projects, contributing to sustainable energy solutions and reduced carbon footprint.



# References



**INEOS**



**H2MOBILITY**

**inovyn**  
An INEOS company



**SIEMENS**  
energy



**ADVIRIO**  
Partners for progress

**BASF**  
We create chemistry

**Envalor**

**LBC**  
TANK TERMINALS



**ENGIE**



**ERIKS**



EIFFAGE  
**SMULDERS**



**CSM**  
STEELSTRUCTURES



**Bobbejaanland**  
family park



Struyf NV



**AIR PRODUCTS**

**EASTMAN**



**SEA**-Tank Terminal

**HOERBIGER**

WIENER  **NETZE**

 **WIEN ENERGIE**



# TÜV Austria

*Pioneering (Sustainable) Hydrogen Solutions*



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