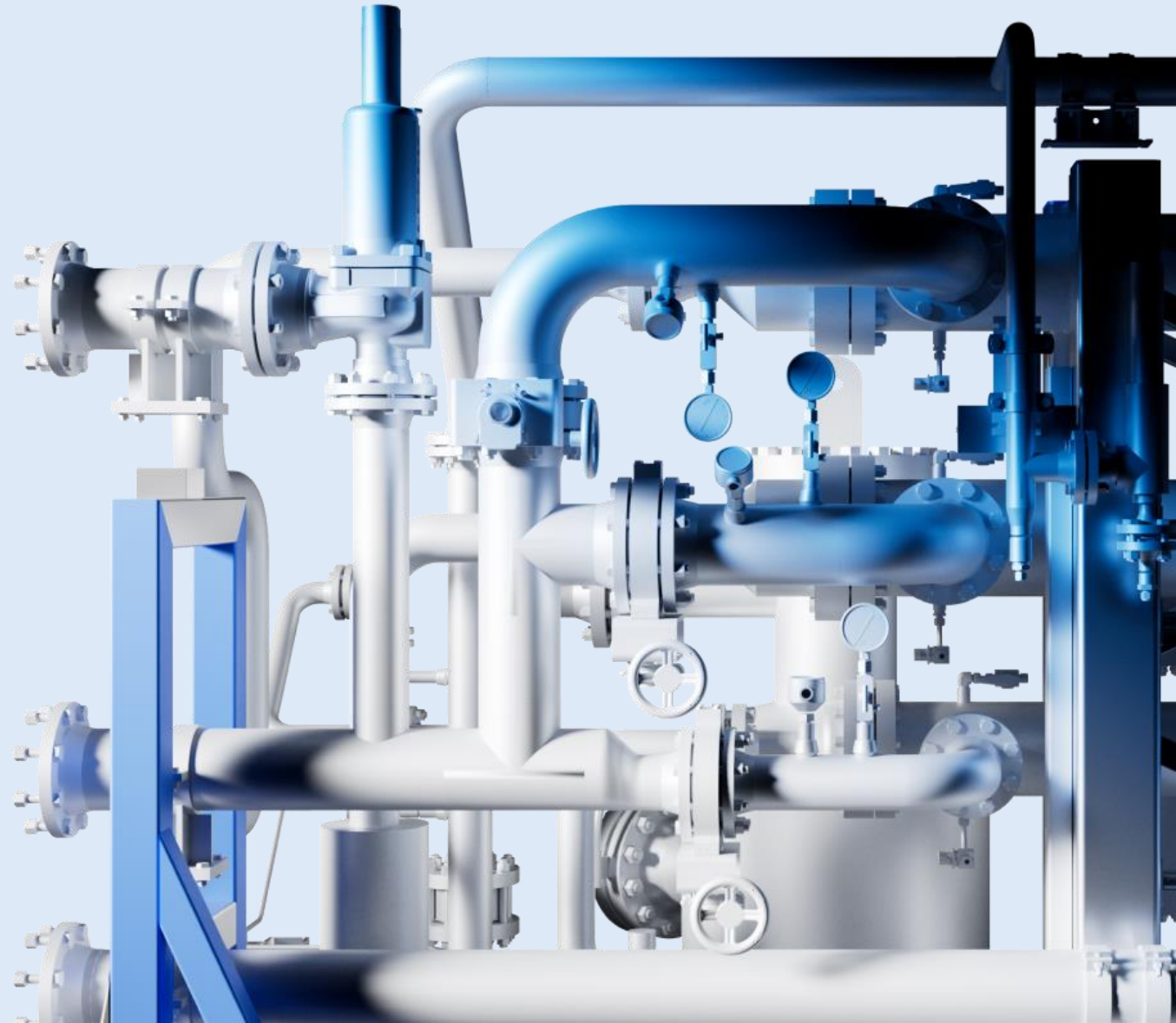


REICAT

# Powering Progress with Purer Gases

Madrid – June 2025



# Market leader for state-of-the-art gas treatment



More than 40 years  
experience



Located in  
Gelnhausen (Germany)  
& Bologna (Italy)



We offer systems for  
purifying & recycling  
technical gases

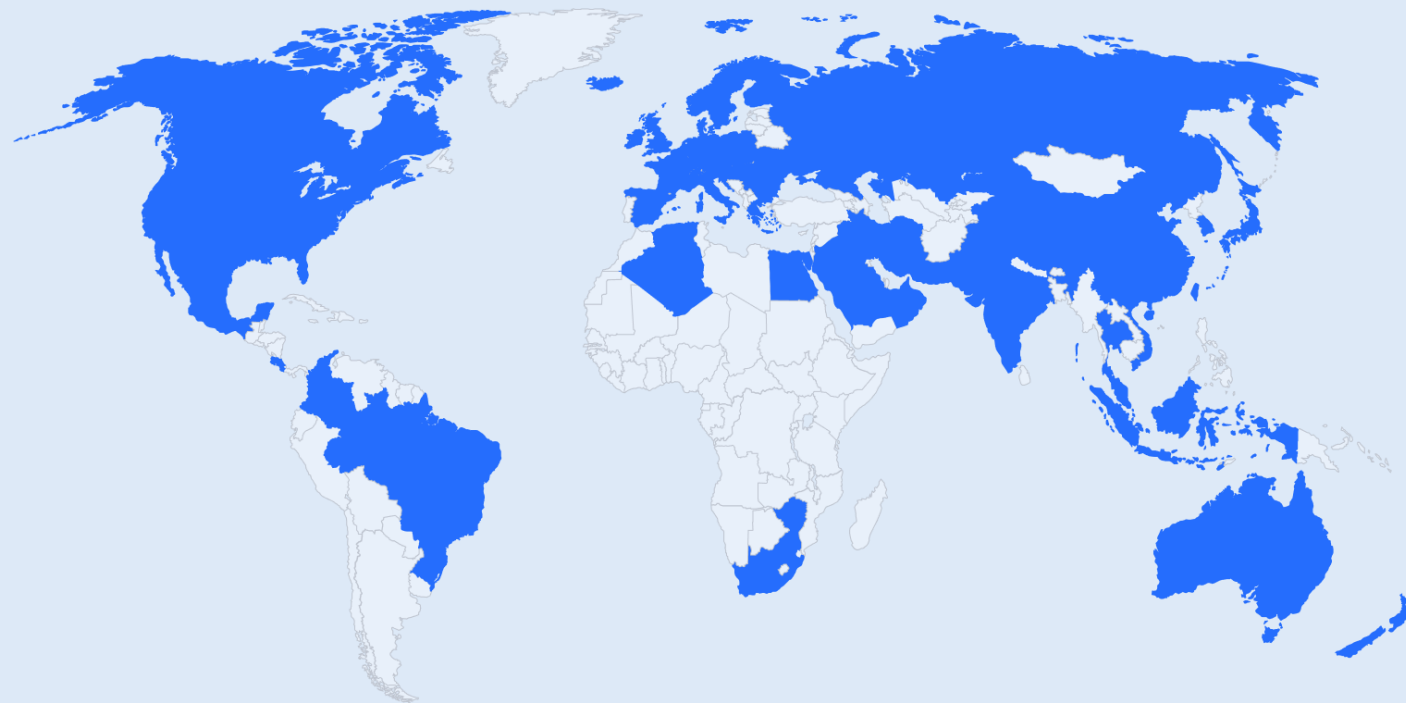


From R&D over  
engineering and  
manufacturing to  
after sales service

REICAT

# World leading companies rely on ReiCat technology

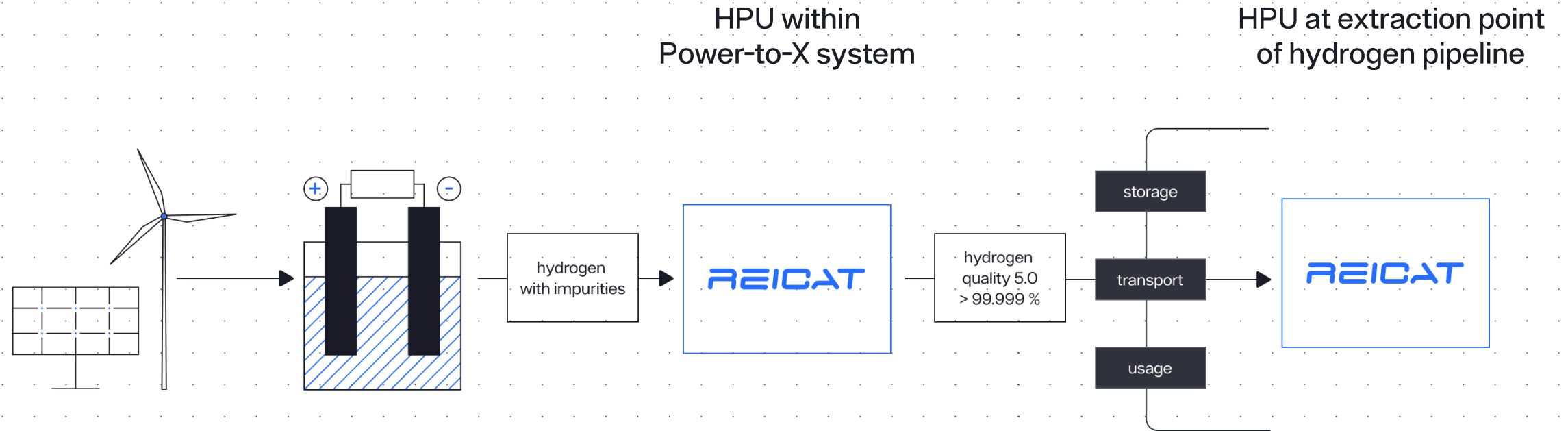
We proudly count the most successful global corporations among our regular customers. Over 600 ReiCat systems operate in 58 countries worldwide purifying more than 1.6 Mio Nqm gas per hour.



REICAT

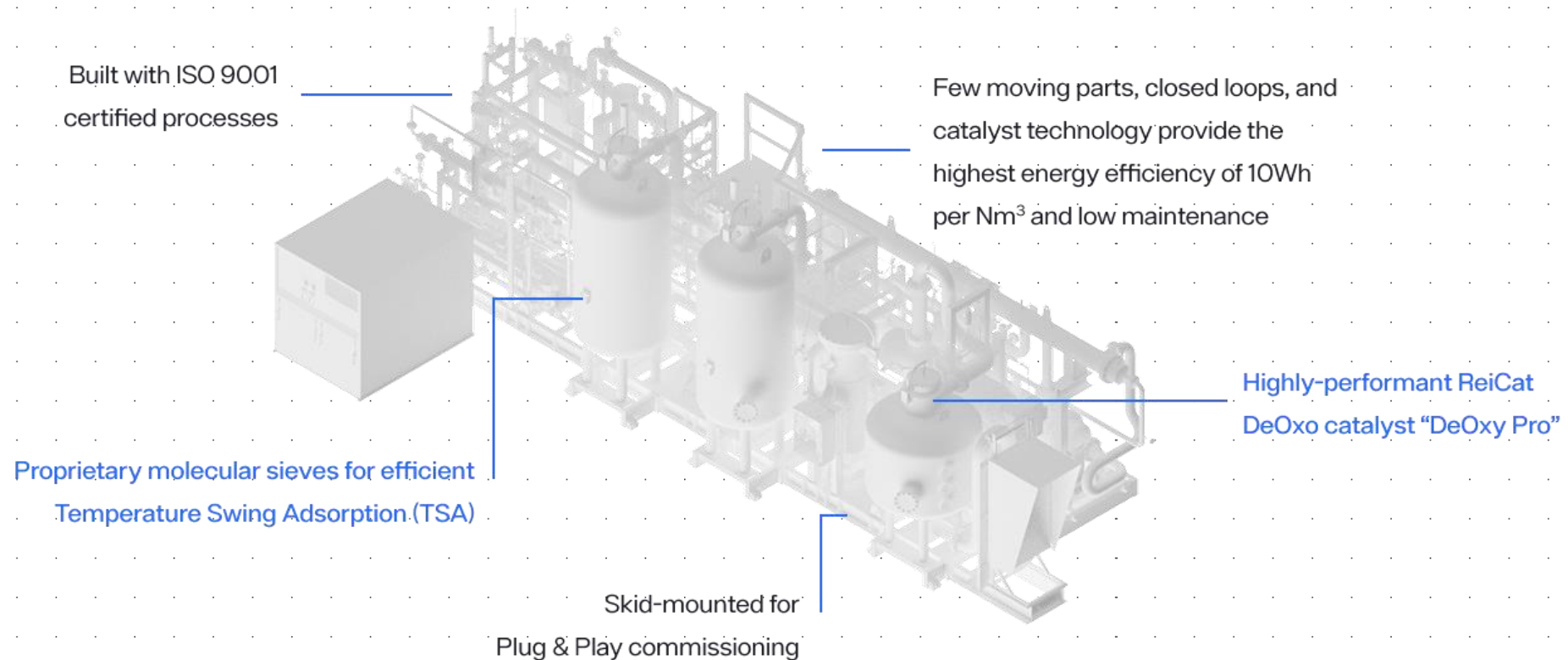
# Our solution for H2: hydrogen purification units (HPU)

Our hydrogen purification units are an essential part of any Power-to-X system.  
If hydrogen is contaminated during pipeline transport, our purification units purify hydrogen at the extraction point.



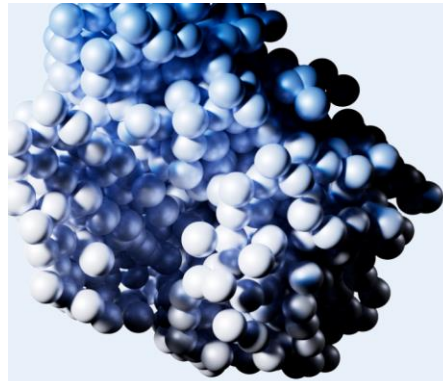
# We purify green H<sub>2</sub> to quality 5.0

We combine DeOxo catalyst technology and TSA dryers to remove residual oxygen and moisture from hydrogen from electrolysis. The resulting high-purity hydrogen is ready to be safely stored, transported, and used.



# A unique technology stack for green H<sub>2</sub> purification

By combining state-of-the-art technology, we guarantee the highest purification performance at the lowest energy consumption.

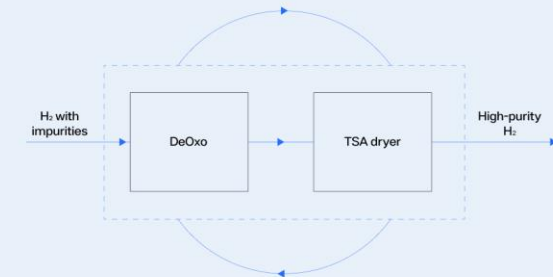


## DeOxo Catalyst Technology

Removes residual oxygen at low temperatures

## HighFlex H<sub>2</sub><sup>®</sup> Technology

Dynamic load balancing between 10 % - 100 % for Power-to-X



## Closed Loop Technology

Removes moisture and residual oxygen with minimal to no losses



Case study

# ReiCat H<sub>2</sub> purification unit for the world's largest e-methanol facility

ReiCat HPU: 10,506 Nm<sup>3</sup>/h

Location: Kasso, Denmark

Start-up of ReiCat HPU: 2024

Inauguration of whole system: 2025

Client & operator: European Energy

End-customer: Maersk

2025



# We aim to focus on Spain as a core market for H<sub>2</sub>

## 4 projects realized in Spain:

- 3 exhaust air purification units for customers in food & beverages
- 1 large-scale hydrogen recycling system delivered in 2024 to a major chemical corporation

→ Several ongoing discussions for new hydrogen purification projects

## We are looking for partners & clients:



PtX operators  
H2 fueling station operators



H2 technology OEMs:  
electrolyzers/compressors/...



EPCs active in  
hydrogen market



We would be happy to become your trusted hydrogen purification partner.



# Don't hesitate to contact us

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