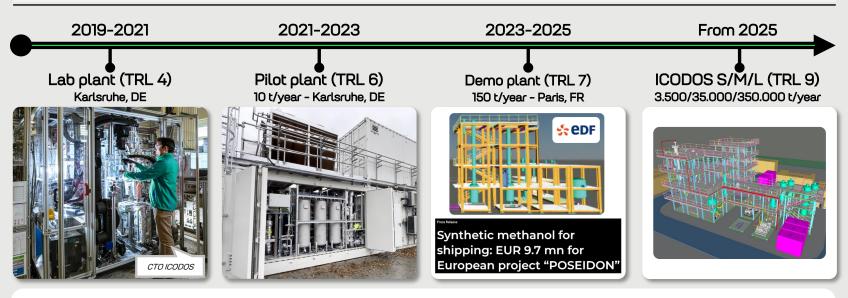




### **About ICODOS**

- ICODOS, a German technology solutions company, facilitates the energy transition by ensuring costeffective e-methanol production at-scale
- The key innovation interlinks carbon capture with methanol synthesis in fundamentally different way and translates this "hybrid process" in a modular design, significantly cutting cost
- ICODOS' hybrid process enables a continuous regeneration of the carbon capture solvent as well as a dynamic and fully automated production of the whole plant, making off-grid production possible and creating best conditions to cope with intermittent renewable energy supply
- The team consists of a world class international management & engineering team

## ICODOS strives to be the e-methanol technology provider of choice enabling cost-effective e-methanol production of >5 mn tons p.a. by 2034



#### Why to partner with ICODOS:

Step-change e-methanol
production technology (German
KIT spinoff) achieving >20% emethanol cost reduction today

Optimized for renewable energy & modularized plants, reducing project development time & risk due to pre-construction

Solid investor and government support, backed by >€28 mn in private funding and public grants (mainly Horizon Europe)

#### Management, Team, and Advisors









business
+ & industry
advisors

L. Daniel Angeli

ex-SVP BASF

ex-CFO at H-TEC (PEM electrolysis)

Frank

Zimmermann

ex-VP at KfW IPEX

Andrew

**Eckhardt** 

ex-Asset Builder & Manager at Shell & TotalEnergies

Dietrich

Roeben

Prof. Dr. Roland Dittmeyer

Head of Institute

"Mikroverfahrenstechnik" KIT

**≤**|K|T



# ICODOS core technology - one process, modularized plant design, **E2E optimized for sustainable energy**

#### PATENT FOR PROCESS / SOLVENT Methanol $CO_2$ Methanol $CO_2$ (H<sub>2</sub>O) (CO<sub>2</sub>) $(H_2)$ $CO_2$ Desorption **Synthesis Absorption** CO2 point source Methanol Methanol Tempe-Tempe-Tempe-Methanol (H<sub>2</sub>O) $(H_2O)$ rature rature rature Pressure Pressure Pressure H2 H2 enhances Electrolysis Physical absorption - >30% more Product of synthesis (methanol/water mixture -CO2 desorption & energy efficient vs. state-of-the-art 2:1 volume ratio) as CO2 solvent (nothing else, chemical absorption; highly flexible, reduces pressure no membrane, amines, other absorbents) energy required requirement is >2%vol CO2 in offgas - hence solvent continuously regenerated



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