

Cooperative Project **Synergy Fuels**

Synergies by Integrating the Use of Biomass and Power-To-X
for the Production of Renewable Fuels

Coordination: TU Munich, Campus Straubing

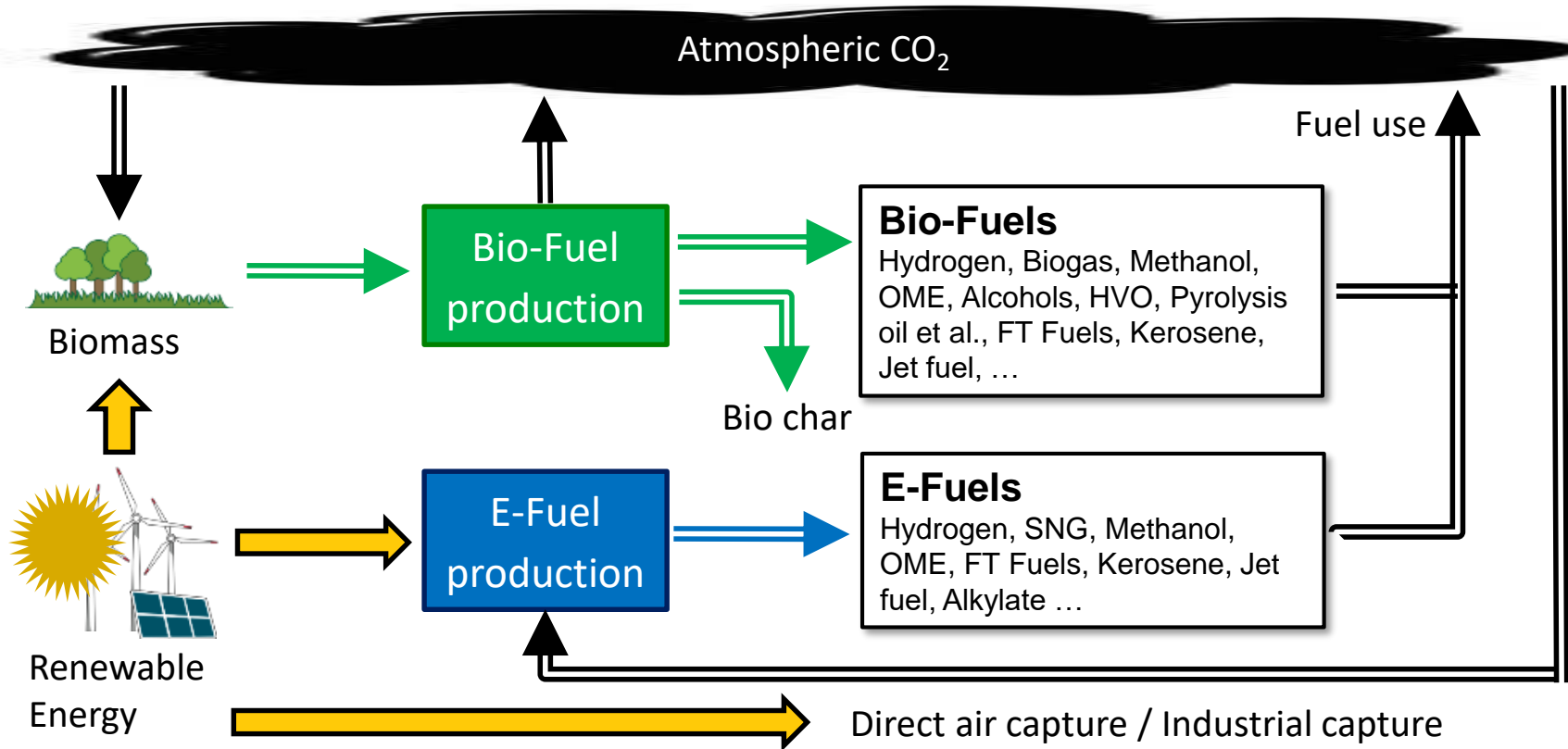
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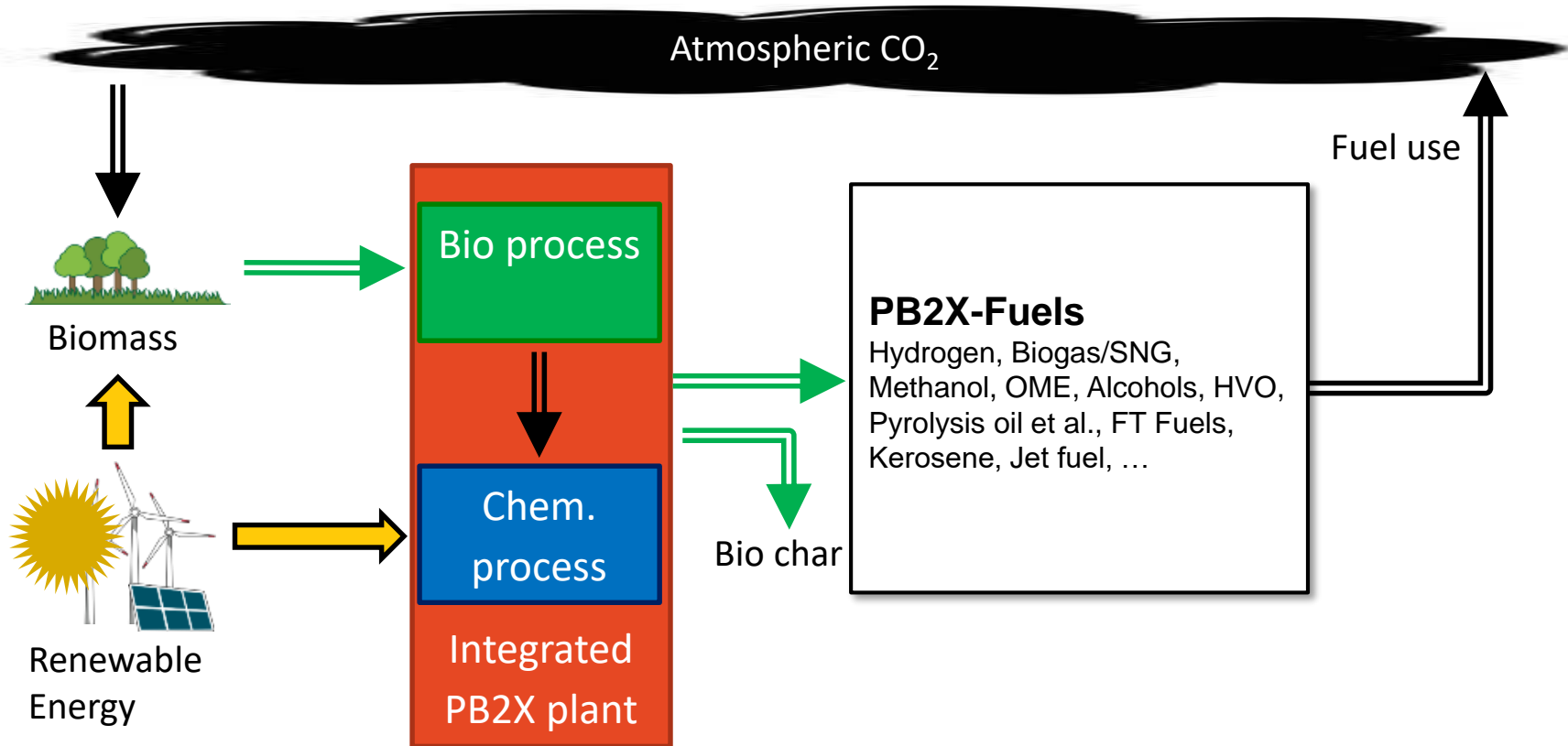


Bundesministerium
für Digitales
und Verkehr



Classical concepts of renewable fuels





Synergy Fuels at a glance

- Duration: 01.01.2023 – 31.12.2026 (4 years)
- Funded by BMDV via Call:
„Entwicklung regenerativer Kraftstoffe“
- Executing agency:
VDI/VDE Innovation + Technik GmbH
Fachagentur Nachwachsende Rohstoffe e.V.
- Total budget: 14,0 Mio. €

4 Academic Partners



Fraunhofer
UMSICHT



Fraunhofer
IGB

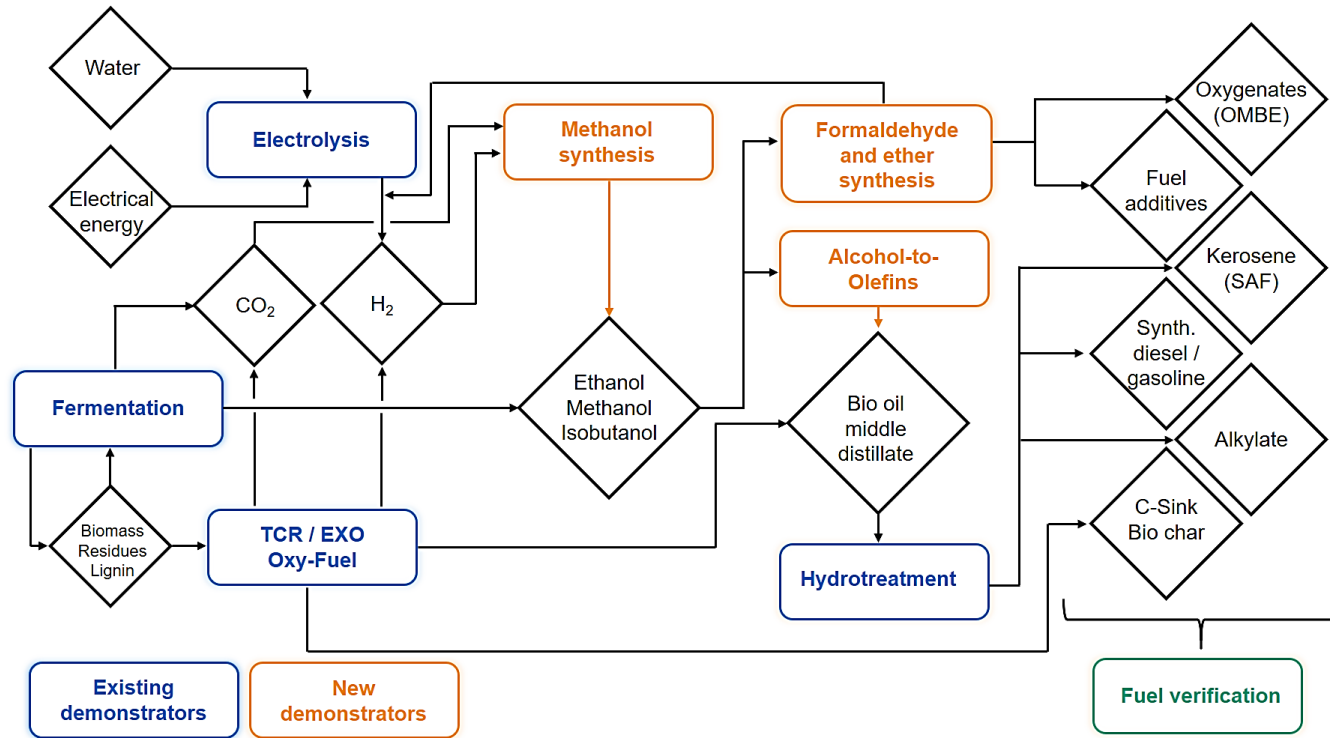
3 Industrial Partners

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Goals



- Combination of biogenic resources and power-to-x processes in integrated refinery concept
- Construction & operation of 8 demo plants (ton scale) with integration of mass and energy
- Fuel production for aviation, shipping, vehicles, and mobile machines
- Production of bio char as carbon sink

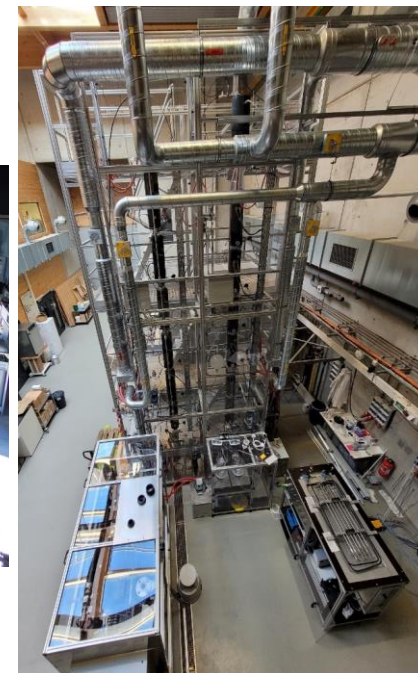
Existing production plants (examples)



sunliquid® Plant, Clariant @ Straubing

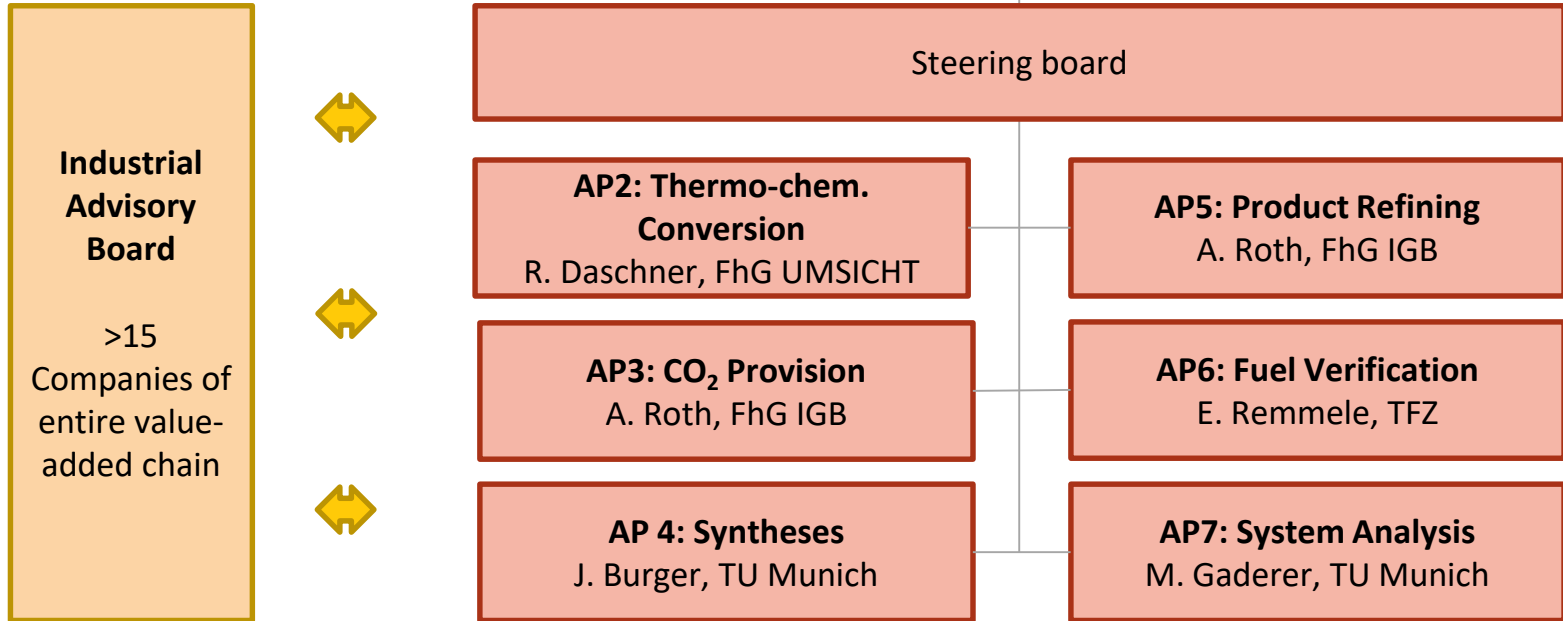


UMSICHT Demonstration site Hohenburg for
conversion of biomass residuals



OME Demonstrator plant,
TUM @ Straubing

Project structure



Contact info **Synergy Fuels**

Project Coordination

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