

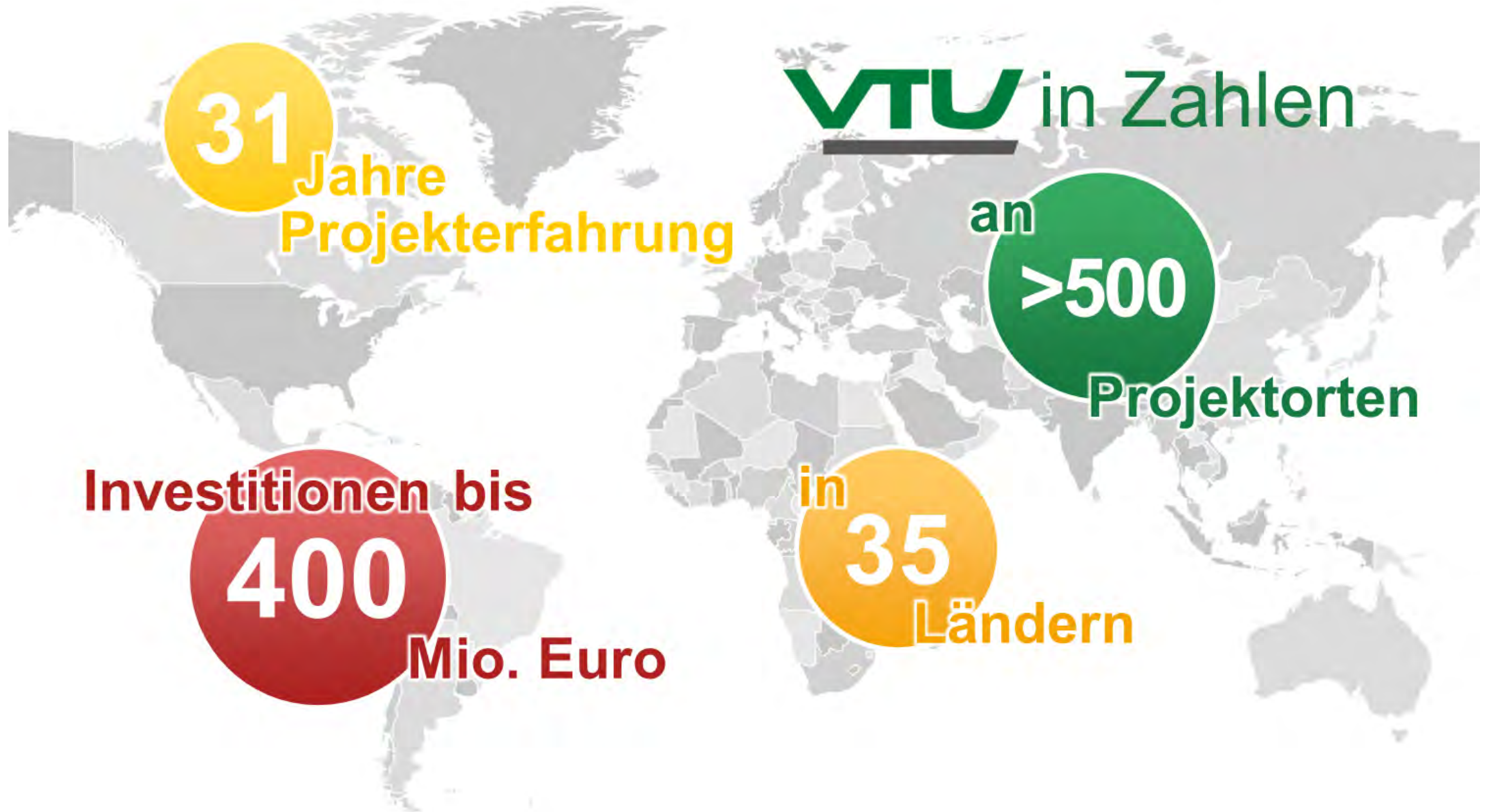
Green Tech Innovators Club

Demoanlagen für Klimaschutz & Energiewende

Mittler zwischen Forschung (Start-ups) & Industrie

Bernd Humpl, VTU Engineering



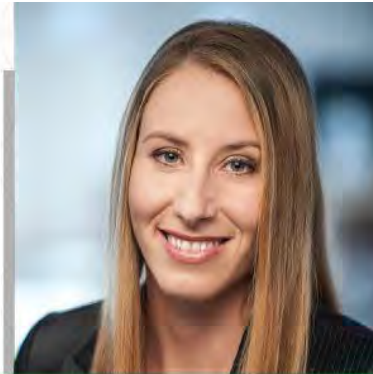




NEWS

TECHNOLOGY TRANSFER FOR COVID-19 VACCINE SUPPLY

Birgit Krenn, Head of Manufacturing Science and Technology writes about production extension for the Covid 19 vaccine supply.



[READ THE NEWS >](#)



» Green Value Engineering: the WIN/WIN approach «



Alessandro Rosengart
Process Team Leader at VTU

Oct. 06, 2021 at 11:00 a.m.
at the University of Pavia - Aula Volta

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» Veränderungen im Produktionsbetrieb erfolgreich umsetzen«

29. SEPT 2021, ab 15.15 Uhr



Konrad Schaefer
Division Manager Operational Experts

[JETZT ANMELDEN >](#)

VTU WEBINAR 2021

🕒 Deutsch 20.05.2021, 11:00 Uhr

Machine Learning im GxP-Umfeld: Ist das auch in meinem Betrieb möglich?

SPEAKER



Stefan Pauli
Senior Data Scientist



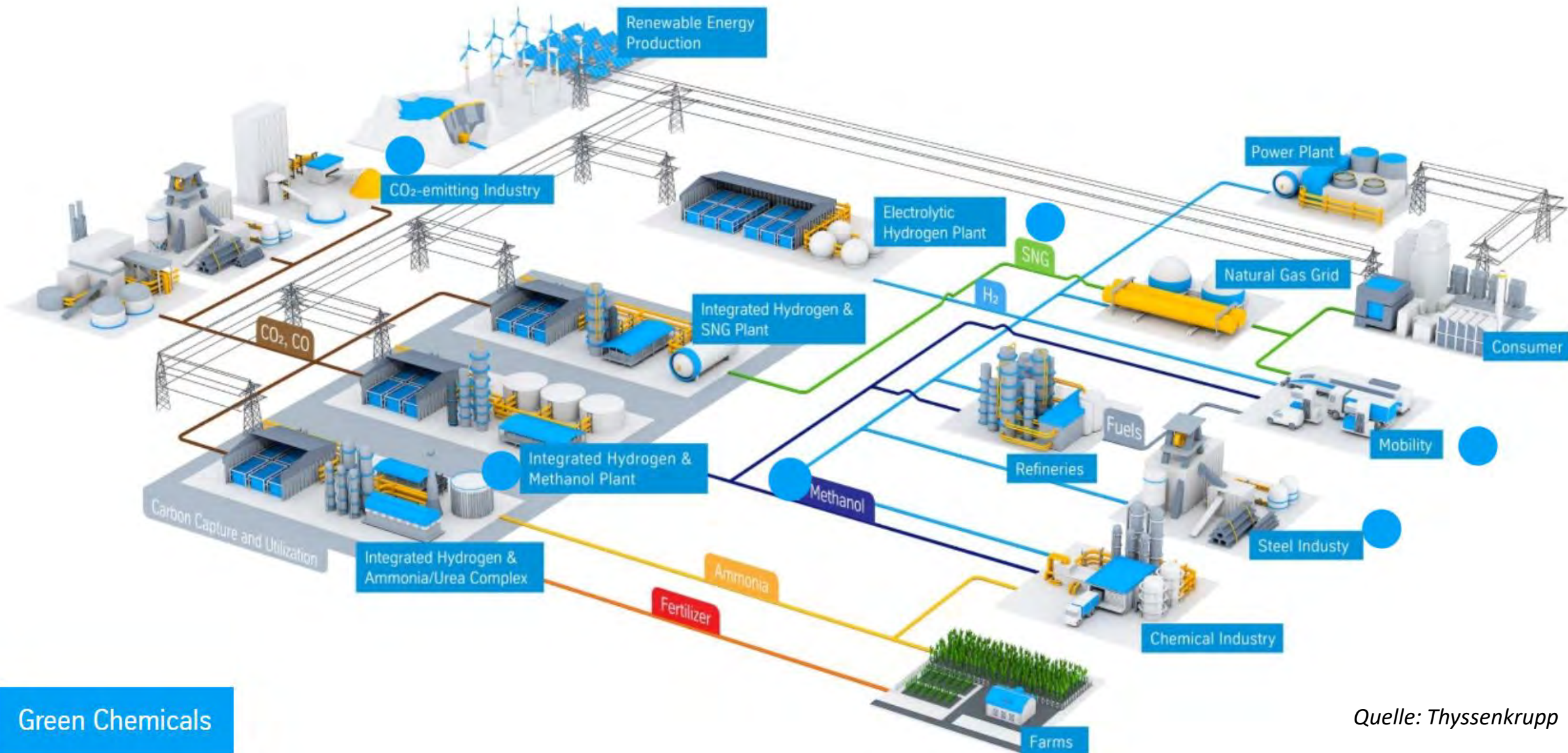
Tanya Kudeva
MS&T Engineer



Konrad Schaefer
Head of Consulting






Daniel Hladky
Sr. Partner Manager
Central Europe, Dataiku







Quelle: Thyssenkrupp



Chemical looping process – Biobased material (Biogas/Biomass) -> Green Hydrogen

Lab Scale	Pilot Scale	Demo Scale	Industrial Scale
			
xx g/hour	xx kg/hour	40 kg/day	600 kg/day
2010	2016	2020	20xx

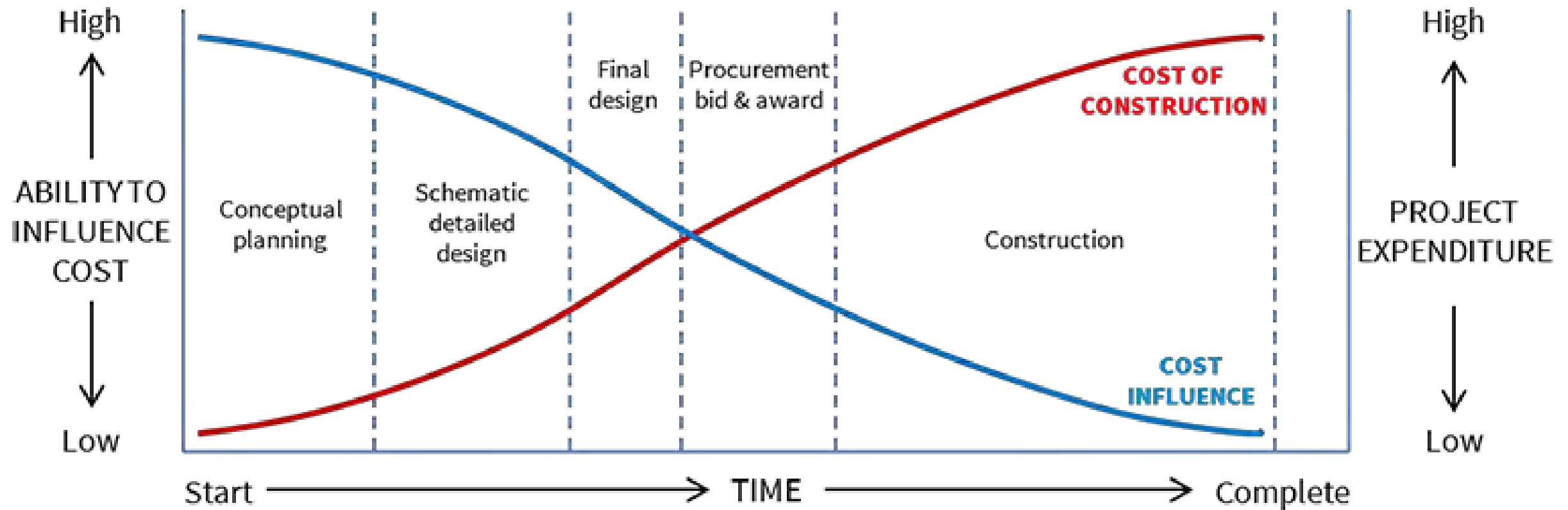
RepCAT® process – Waste 2 Value / Waste material (oil & fats) -> Advanced Biofuels

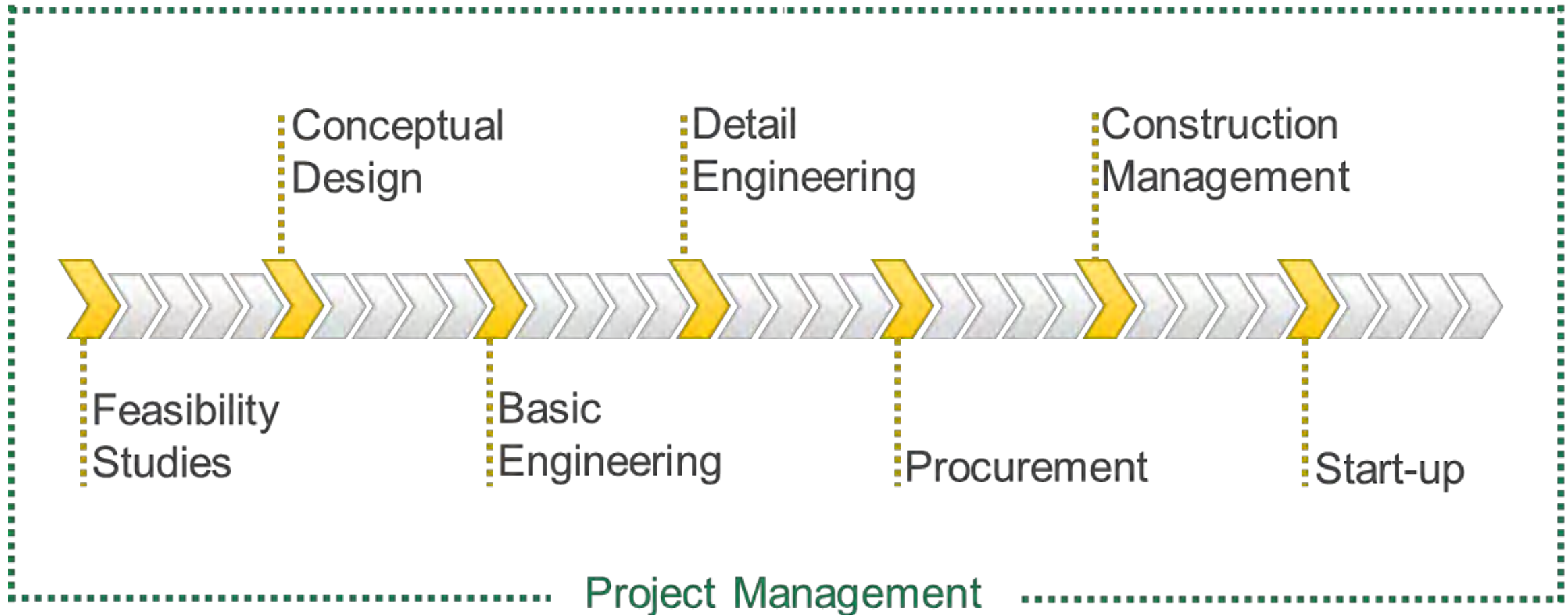
Lab Scale	Pilot Scale	First commercial scale	Industrial large scale
			
xx kg/hour	10 kg/hour	25,000 tons/year	> 100,000 tons/year
200x	2003	2007	2022

ReOil® process – Circular Economy / Post-consumer plastics -> Synthetic crude oil

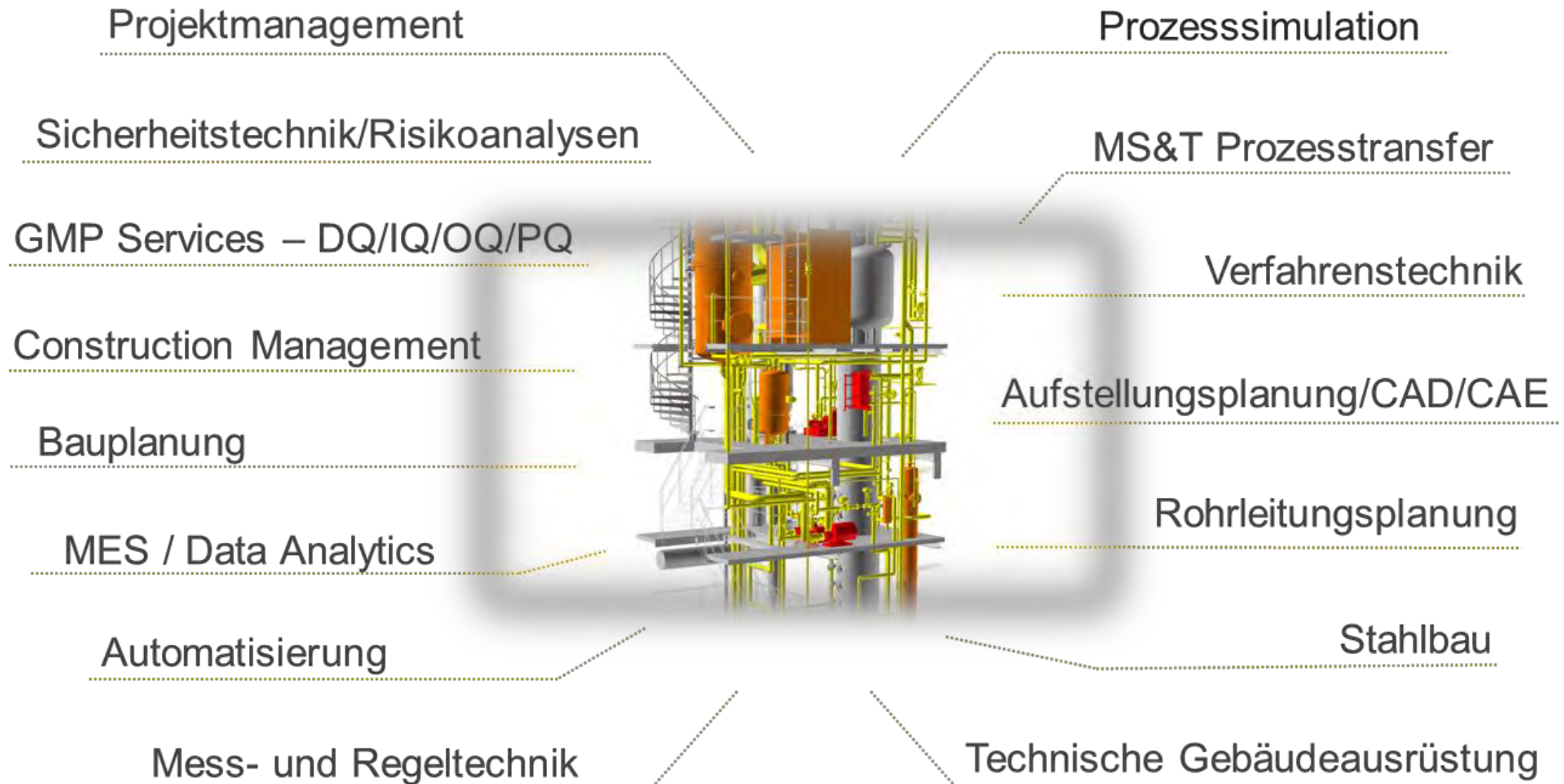
Lab Scale	Pilot Scale	Demo Scale	Industrial Scale
			
5 kg/hour	100 kg/hour	20,000 tons/year	200,000 tons/year
2013	2018	2022	2025

COST INFLUENCE CURVE





**Von der Idee bis zur Produktion:
Sie verlassen sich auf einen verantwortlichen Ansprechpartner!**



*Innovation heißt,
zu sehen, was alle
sehen, aber dabei
zu denken, was
noch keiner
gedacht hat.*

Albert Szent-Gyorgi

