

SECTION 3

Technology focus

WEI CAI

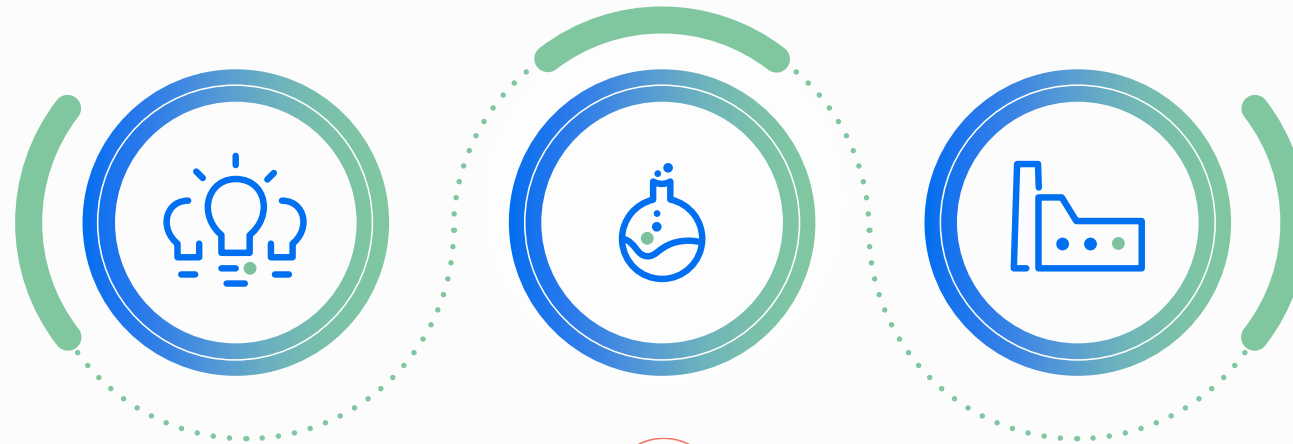
Chief Technology Officer

Technology @ T.EN

Enabling molecule transformation process for a world designed to last

We leverage our labs & pilots,
developing an innovation ecosystem

Our starting point:
proven-concepts



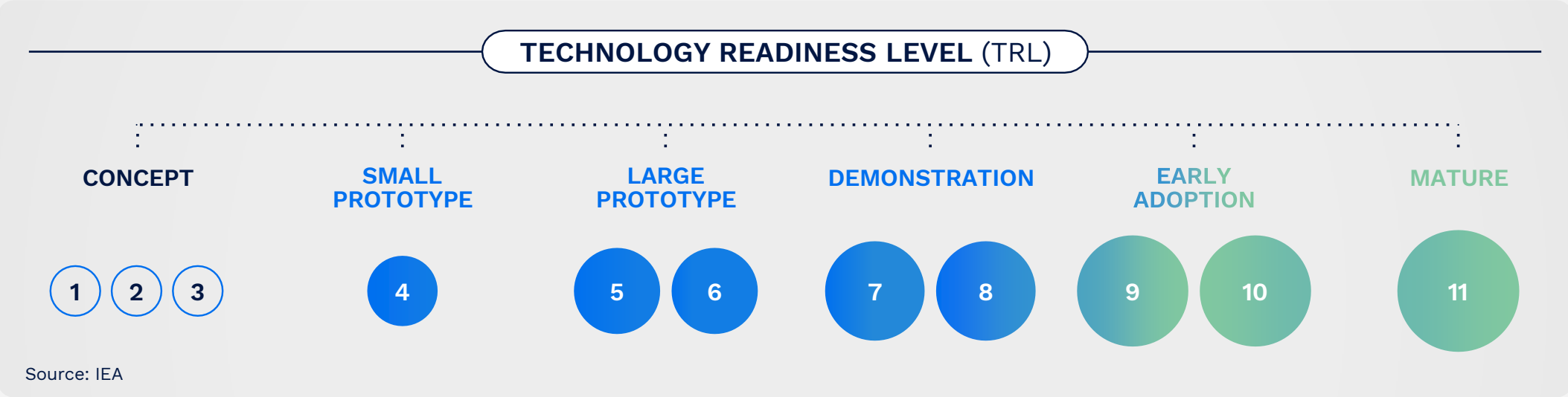
We are an architect,
building first-of-a-kind
process plants

**FASTER
TIME-TO-MARKET**

**HIGHER SUCCESS RATE IN
COMMERCIALIZING
TECHNOLOGIES**

**COMMITMENT TO
BUSINESS-DRIVEN R&D**

From proven concept to successful commercialization



T.EN technology proof points



Hummingbird®

Achieved TRL 8 from 4 in 5 years

SUSTAINABLE FUELS

Opening a pathway to SAF

- Ethanol-to-ethylene technology
- Technology acquired from bp in 2016
- Utilized in world's first commercial scale AtJ¹ SAF facility



Bio-2-Glycols™

Achieved TRL 7/8 from 3 in 3 years

BIOCHEMICALS

Enabling green polyester

- A bio-solution to produce MEG² from glucose
- Pilot plant running
- Commercialization in 2025



EARTH®

Achieved TRL 9 from 4 in 5 years

HYDROGEN

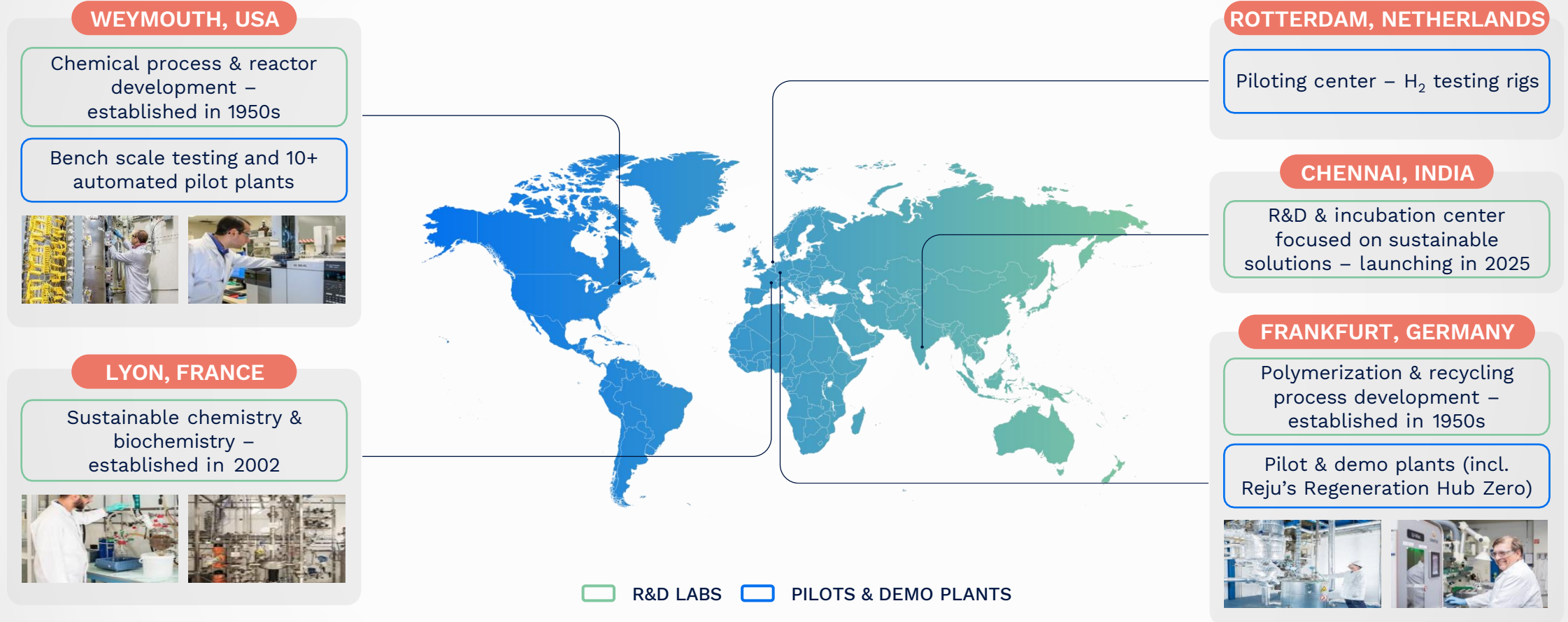
A recuperative reforming solution

- Enhanced Annular Reforming Tube
- Reduces fuel costs by 30% and CO₂ emissions by up to 10%
- Fully proven with 3+ applications

¹ Alcohol-to-Jet – Freedom Pines, Georgia, USA

² Mono ethylene glycol

T.EN's global footprint of labs and pilots



1,000+ innovation focused people in a de-centralized R&D structure

A substantial and diverse technology portfolio

OUR TECHNOLOGY PORTFOLIO

~2,800

PATENTS

60+

PROPRIETARY TECHNOLOGIES

40+

TECHNOLOGY ALLIANCES

KEY MARKETS

DECARBONIZATION

SUSTAINABLE
FUELS

HYDROGEN

SUSTAINABLE
CHEMISTRY

GAS
PROCESSING

CIRCULAR
TECHNOLOGIES

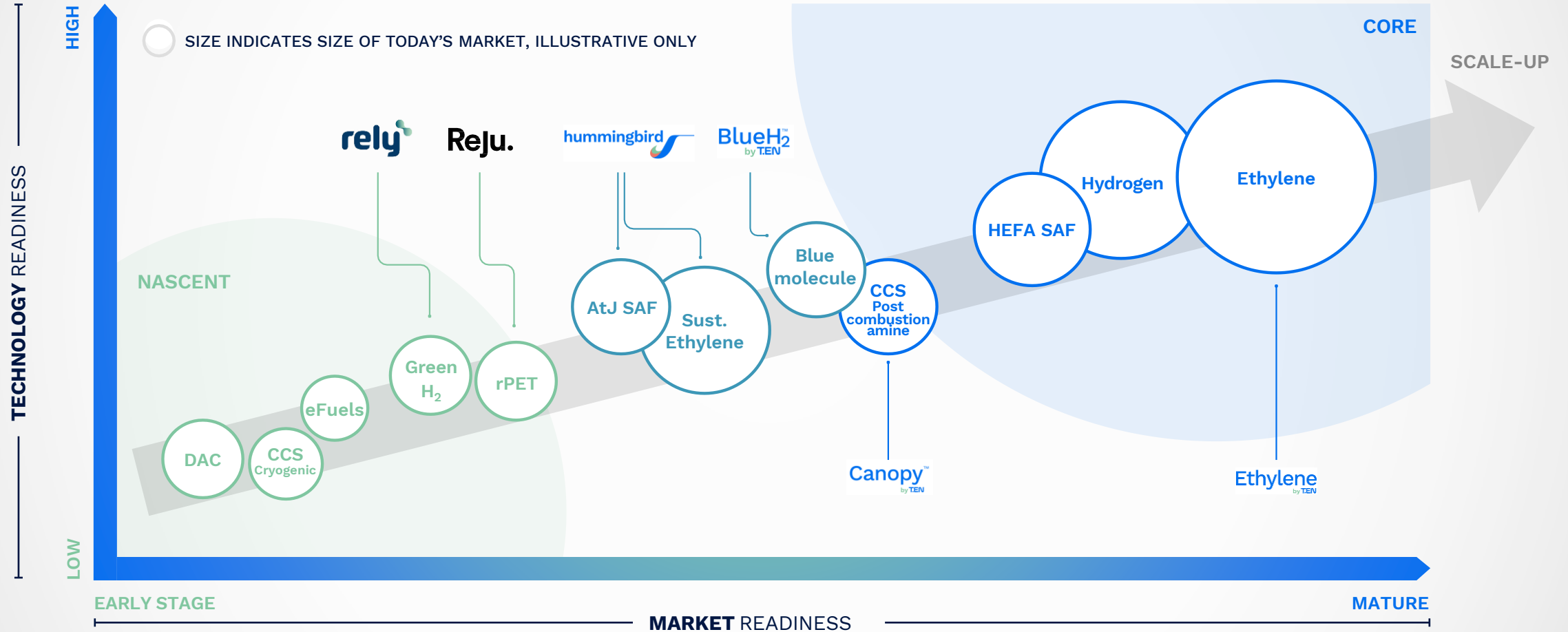
CO₂ MANAGEMENT

REFINING

ETHYLENE

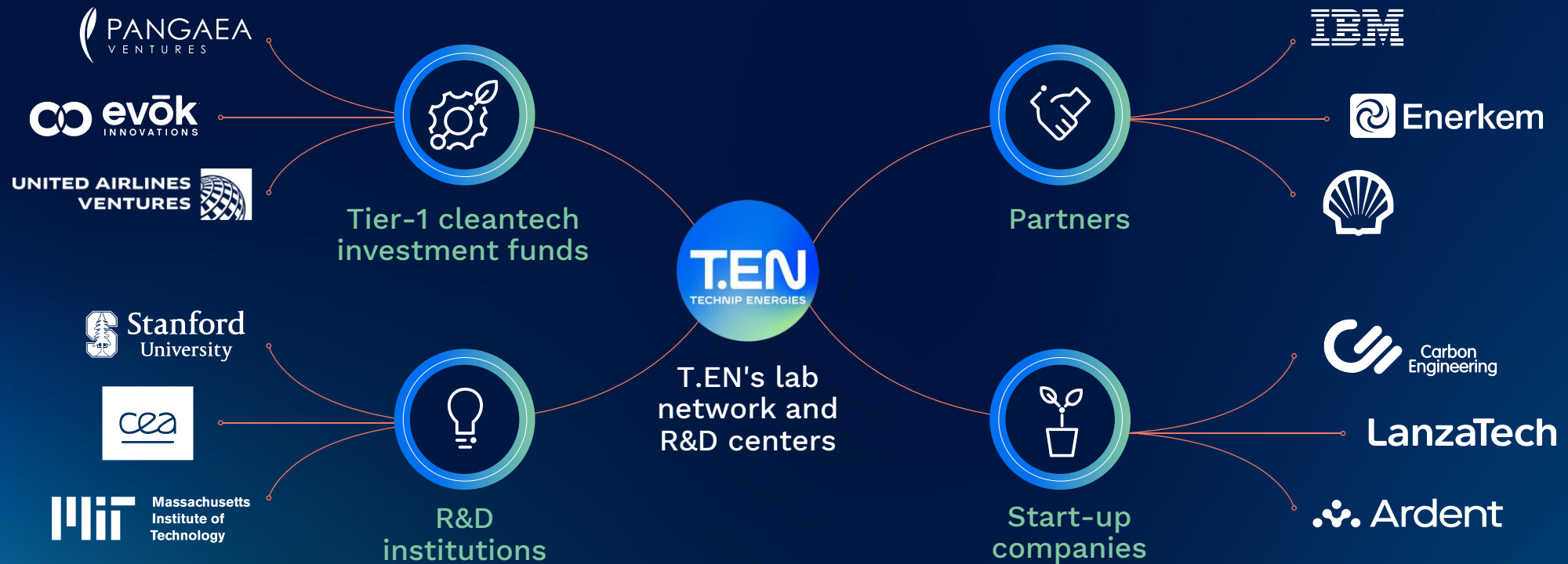
BIOCHEMICALS

T.EN's technology positioning in key markets



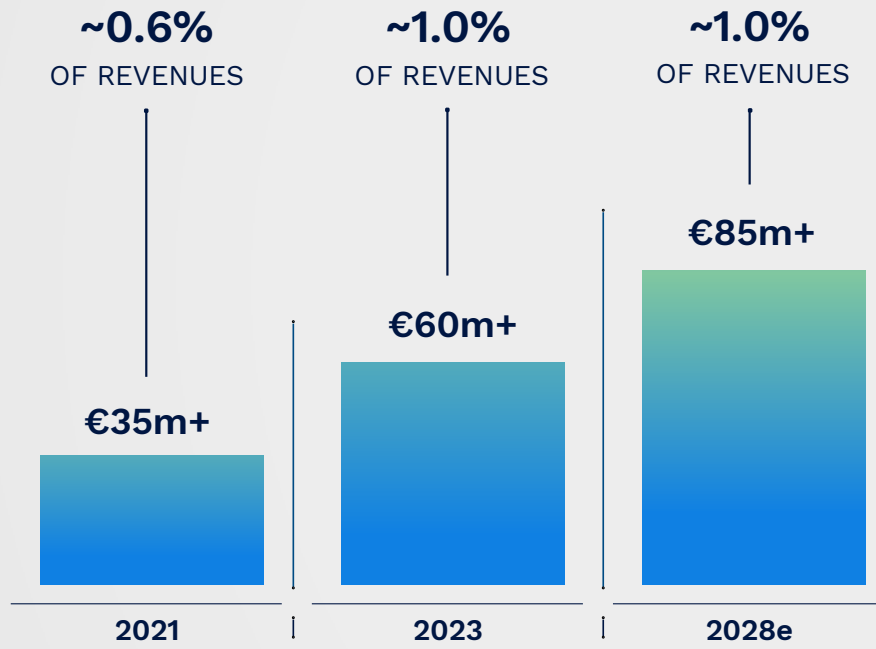
Leveraging innovation ecosystem

Bringing internal and external energies together



Doubling down on technology development

R&D SPEND EVOLUTION



R&D RETURN ON INVESTMENT (EXAMPLES)



Accelerating time-to-market and capturing higher value



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