



Reverion

Reversible Fuel Cell Systems



Maximilian Schmitt
Head of Sales & Marketing



10 JAHRE
ENTWICKLUNG

> 190

MITARBEITENDE

6.000 m²

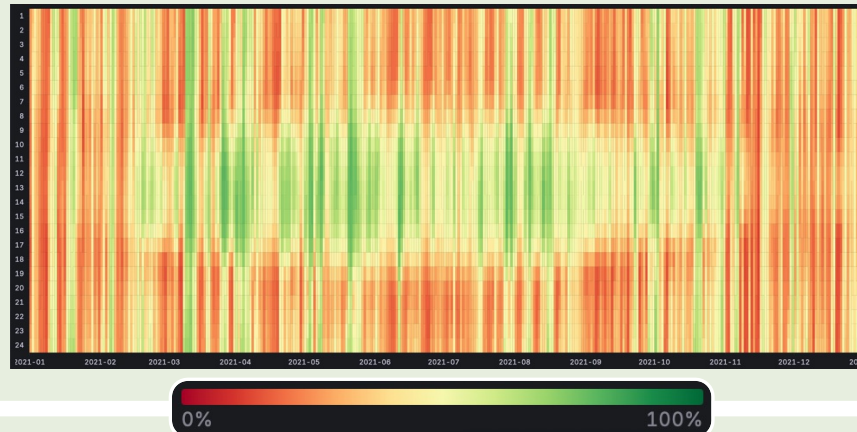
PRODUKTIONS- UND
TESTFLÄCHE



DIE ENERGIEWENDE IST REAL

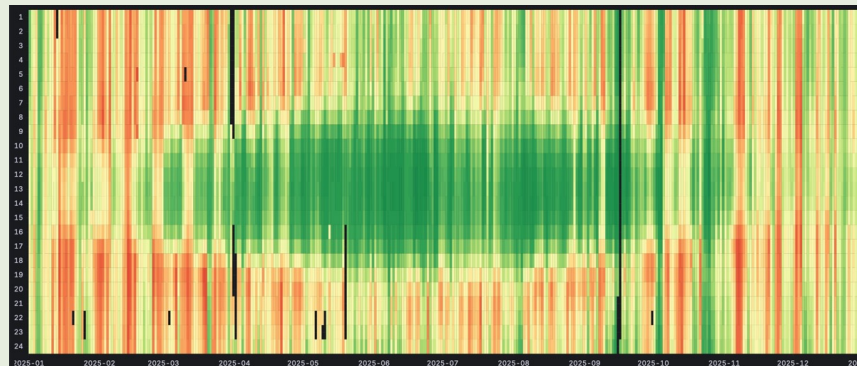
Anteil erneuerbarer Energien an der Stromversorgung in Deutschland

2021



45 %

2025



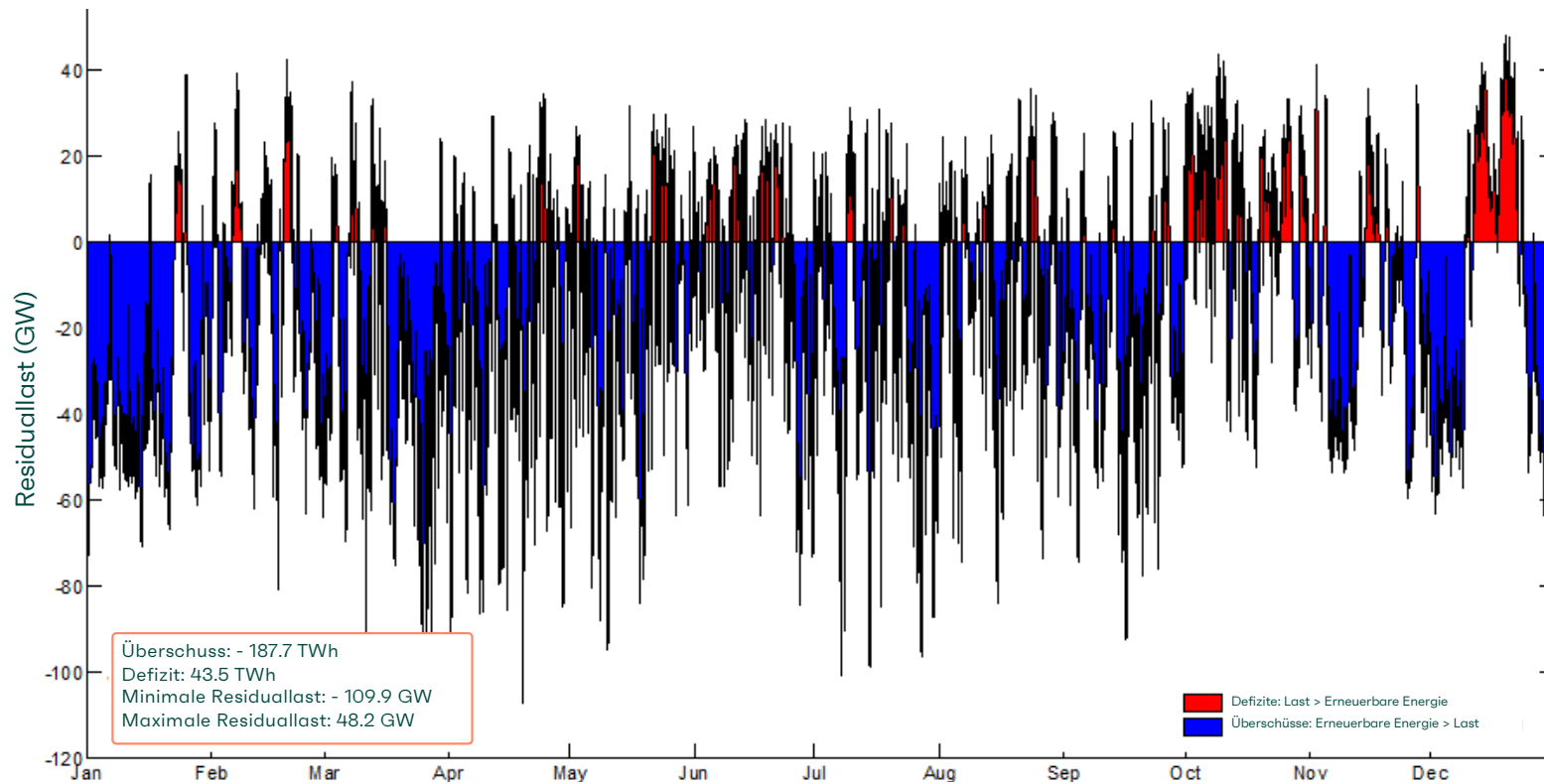
56 %



Quelle: EEX

SZENARIO

100 % erneuerbarer Strom im Jahr 2050



Quelle: Fraunhofer IEE, StEnSea – Storing Energy at Sea
IEE-calculation for UBA Energy goal 100% electricity from RE

DAS FEHLENDE PUZZLESTÜCK



REVERSIBLER BETRIEB



PLUG & PLAY



CO₂-NEGATIV



REVOLUTIONÄRE EFFIZIENZ



74,2 %



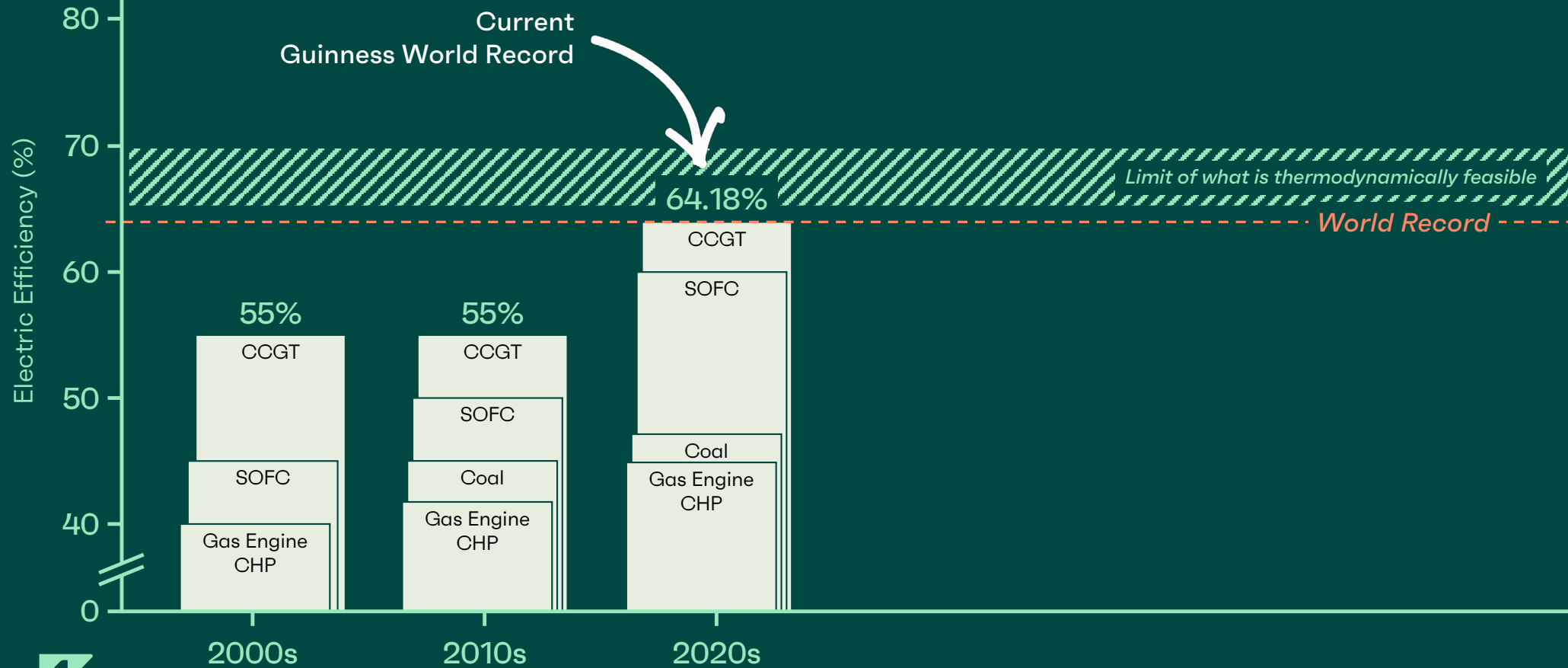
ELEKTRISCHER WIRKUNGSGRAD

WELTREKORD

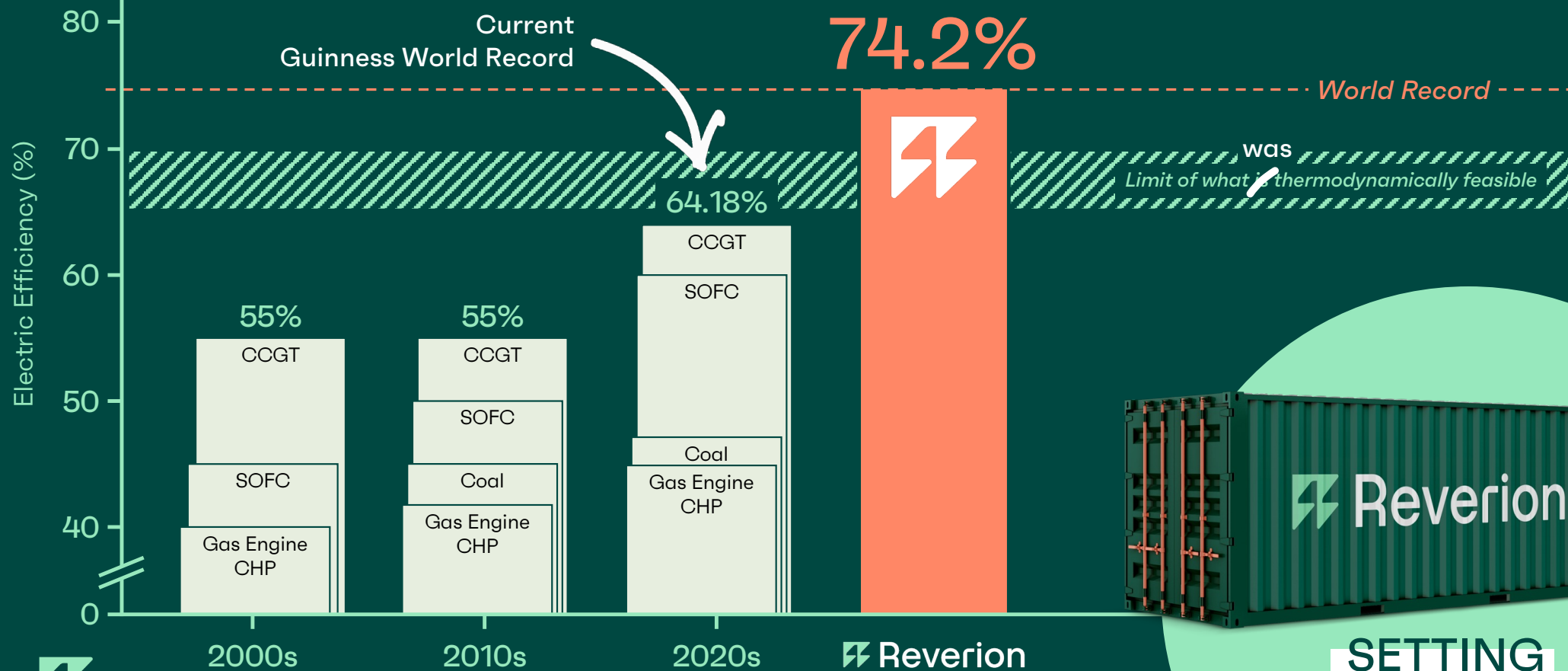


REVOLUTIONÄRE EFFIZIENZ

Developmental Milestones of Power Plant Efficiency

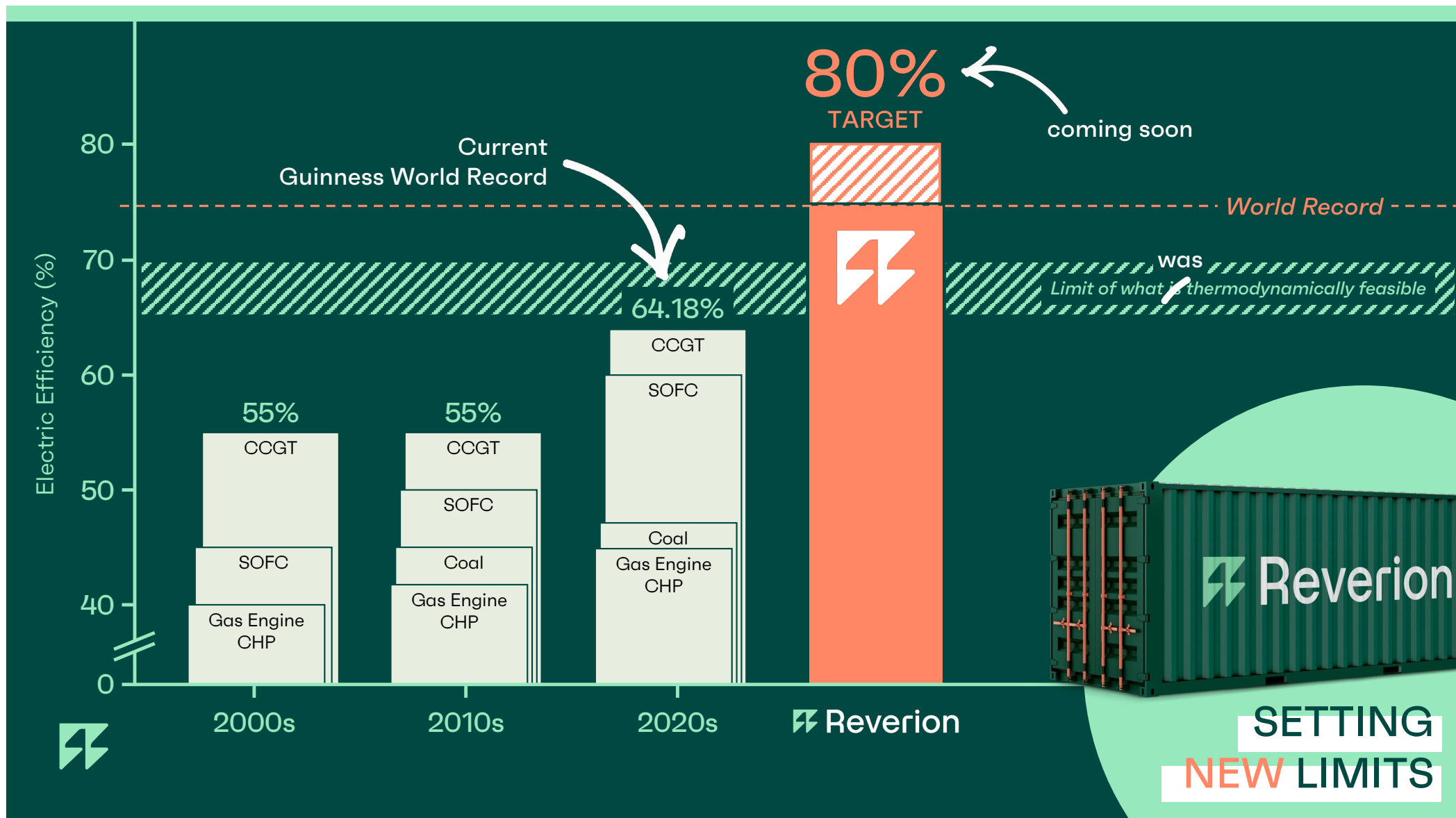


Developmental Milestones of Power Plant Efficiency

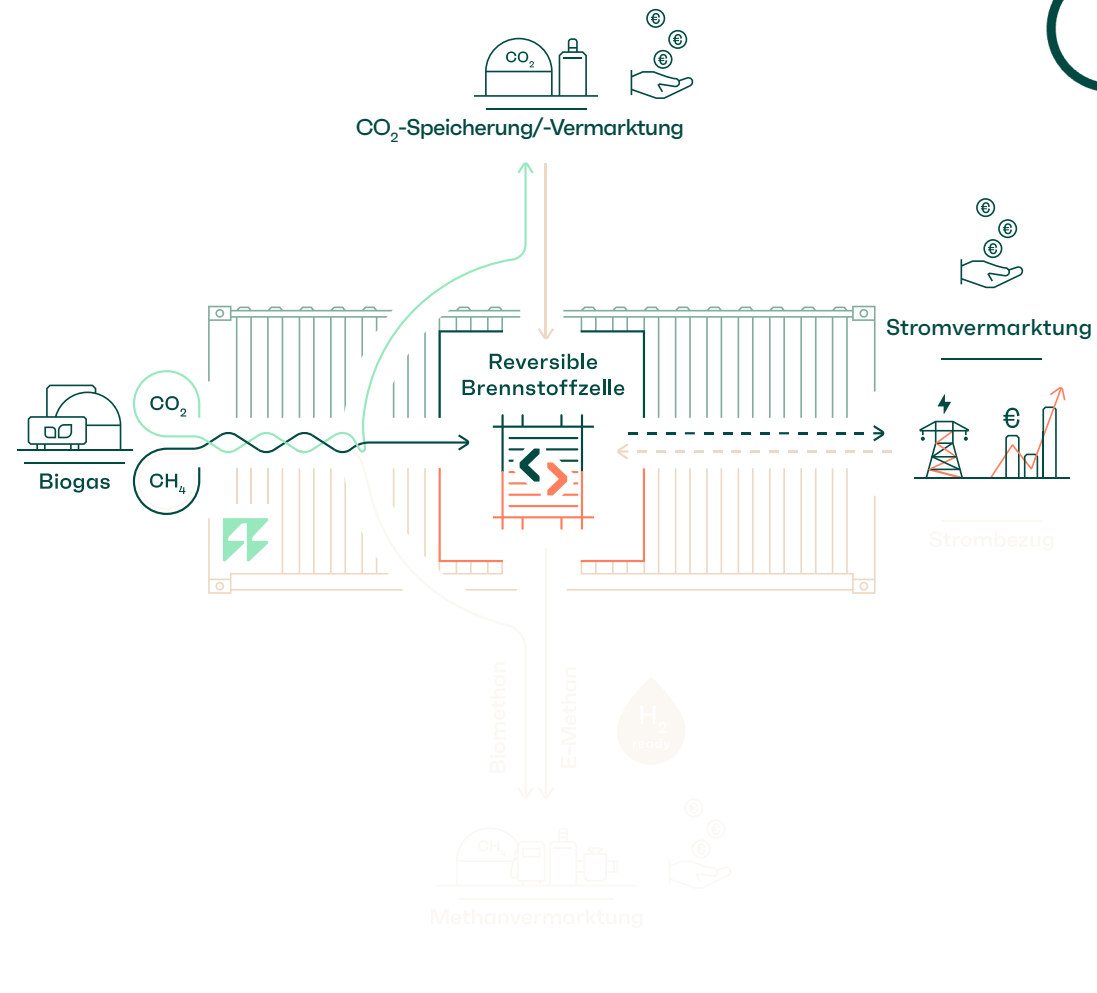


Reverion

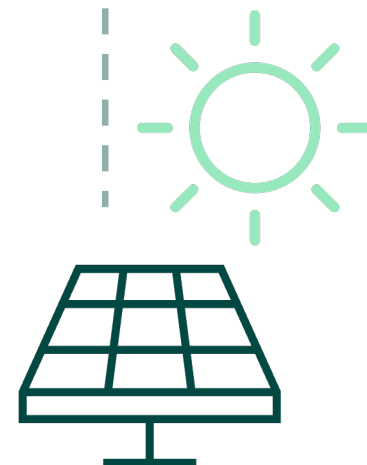
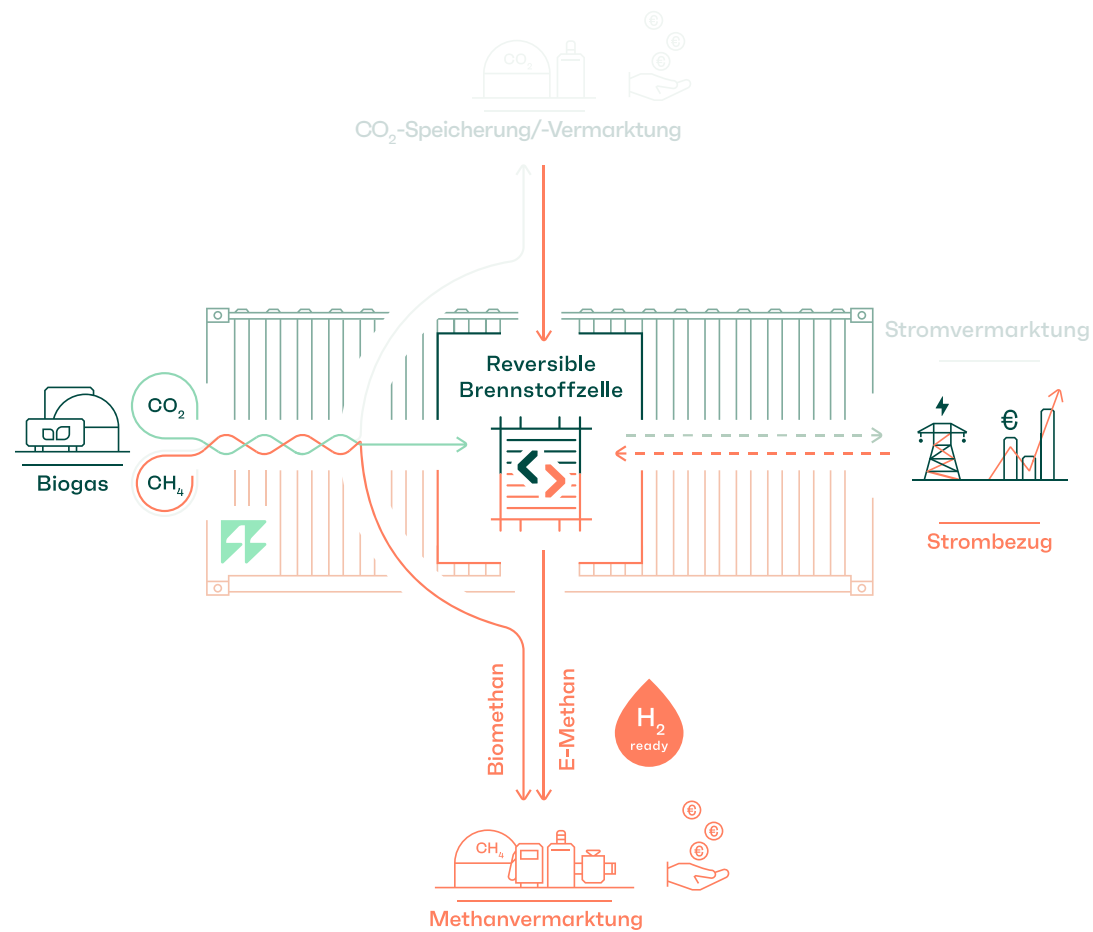
SETTING
NEW LIMITS



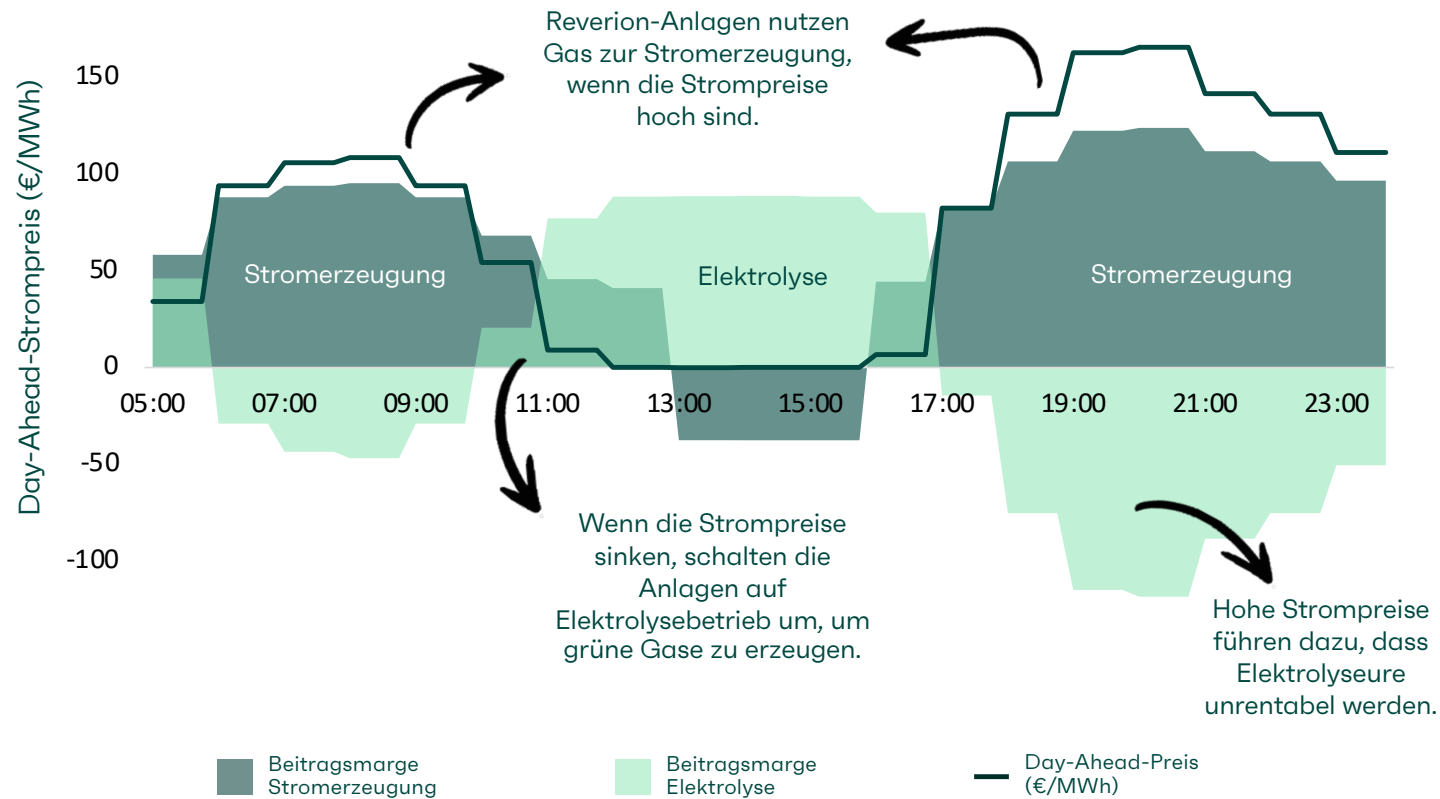
GAS TO POWER



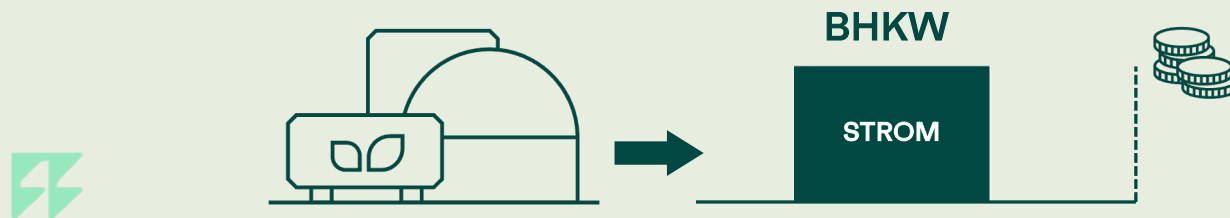
POWER TO GAS



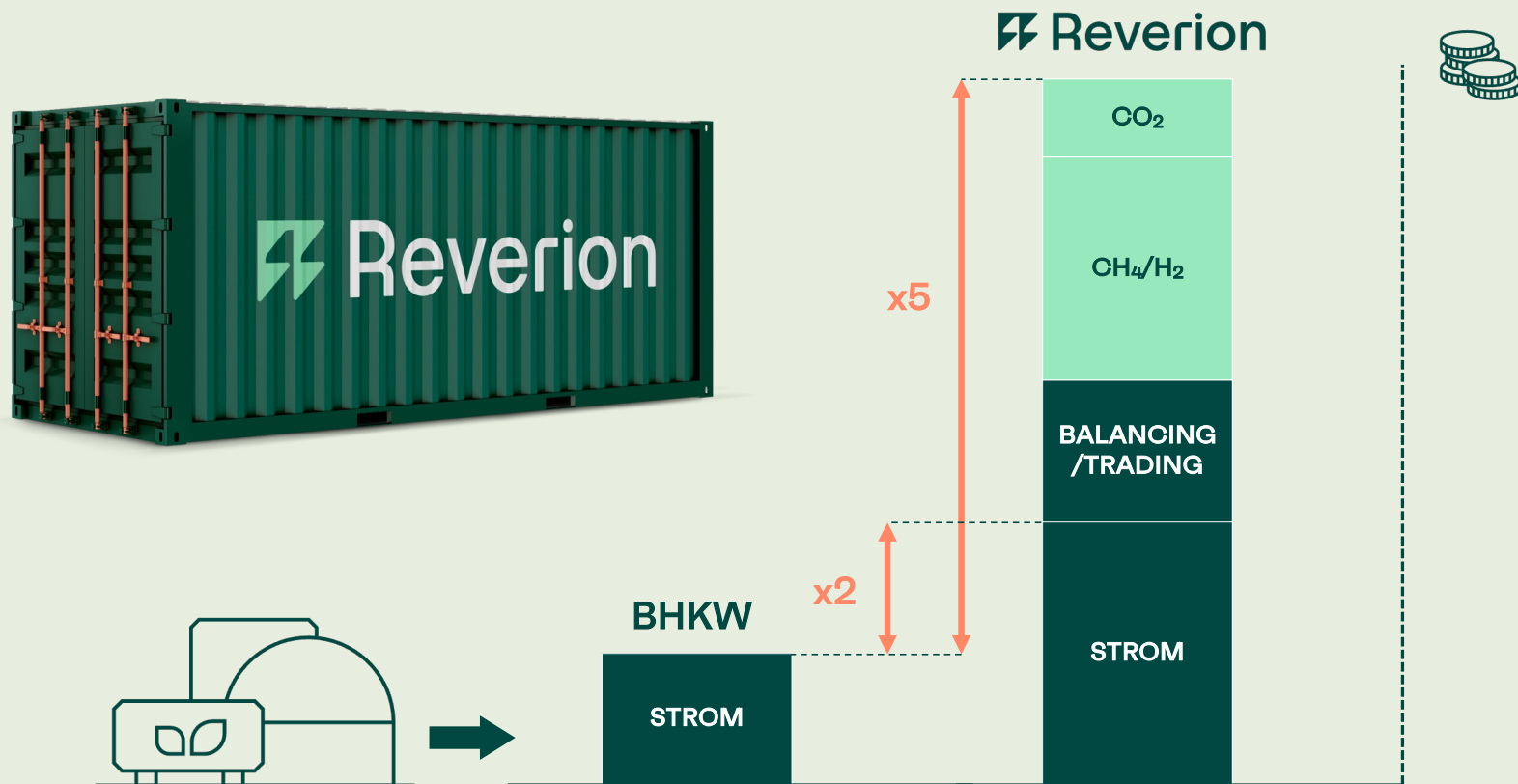
MAXIMALE AUSLASTUNG – MAXIMALER ERTRAG



VORTEILE FÜR BETREIBER



VORTEILE FÜR BETREIBER



LEISTUNGSKLASSEN

REVERION M-100/250

100 kW STROMERZEUGUNG

25 Nm³/h ROHBIOGASBEZUG

250 kW ELEKTROLYSELEISTUNG

32 Nm³/h METHANERZEUGUNG

REVERION M-500/1250

500 kW STROMERZEUGUNG

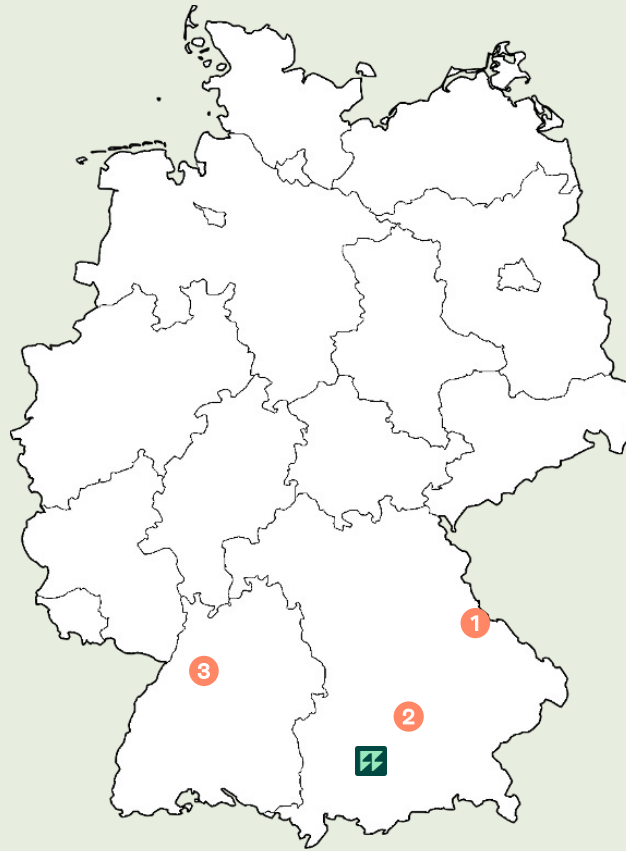
125 Nm³/h ROHBIOGASBEZUG

1.250 kW ELEKTROLYSELEISTUNG

160 Nm³/h METHANERZEUGUNG



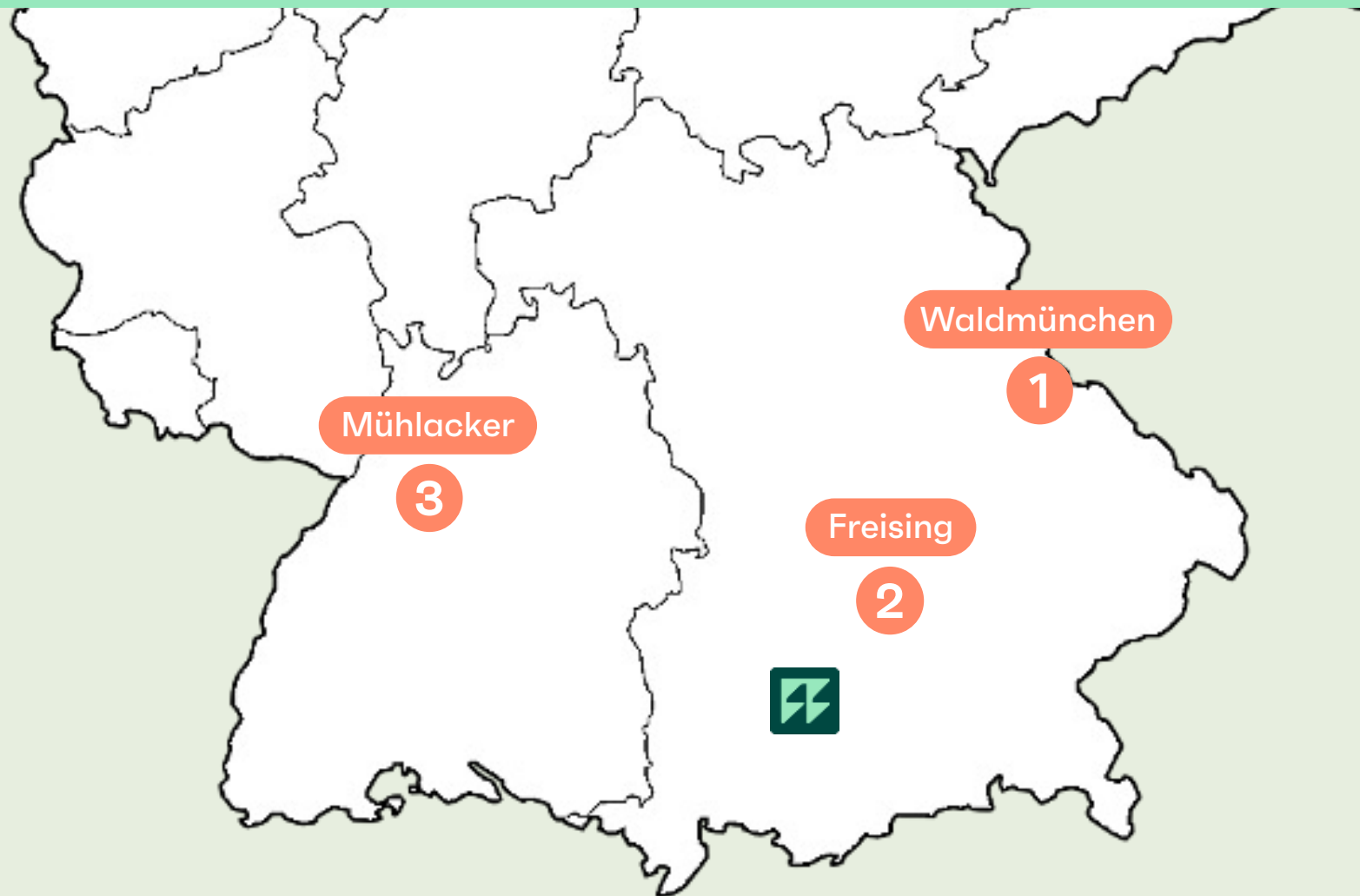
REVERION AUF DEM WEG IN DIE PRAXIS



>15.000
Betriebsstunden

> 1 GWh
Stromerzeugung





BioEnergie GmbH & Co. KG

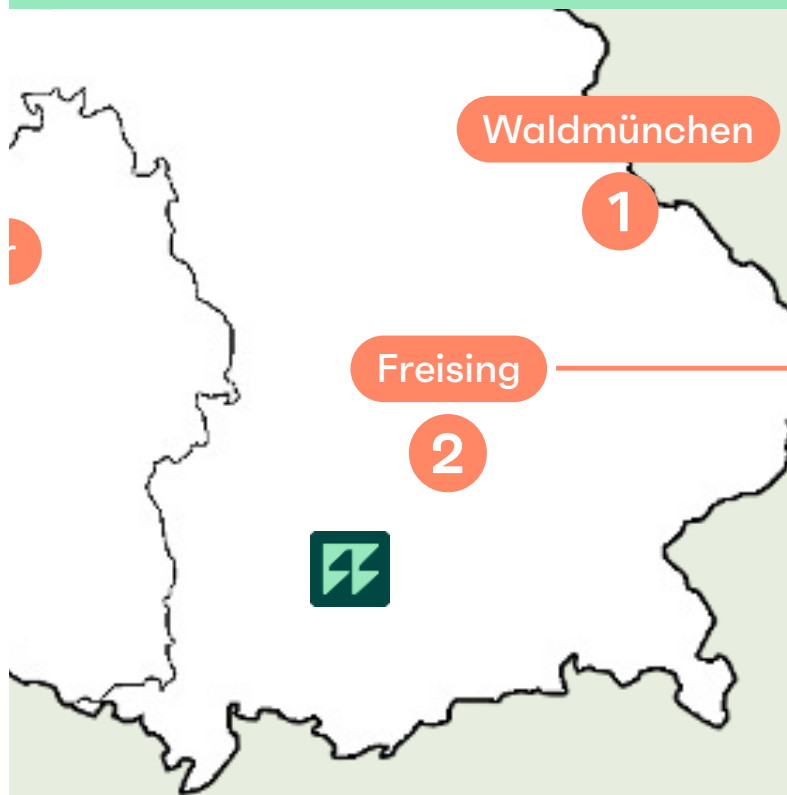
Waldmünchen

1

Freising

2





Waldmünchen

1

Freising

2

Eggertshof Bioenergie GmbH & Co. KG



Biomethananlage Mühlacker GmbH & Co. KG

Mühlacker

3



ühlacker

3

Freising

2



Reverion Campus, Eresing



DER REVERION-EFFEKT

> 9.500 

EXISTIERENDE BIOGASANLAGEN (DE)



ELEKTRISCHE LEISTUNG

> 5,5 GW



ERNEUERBARE GASE

> 10 TWh



THG EMISSIONEN

-2,5 %

MIT  Reverion



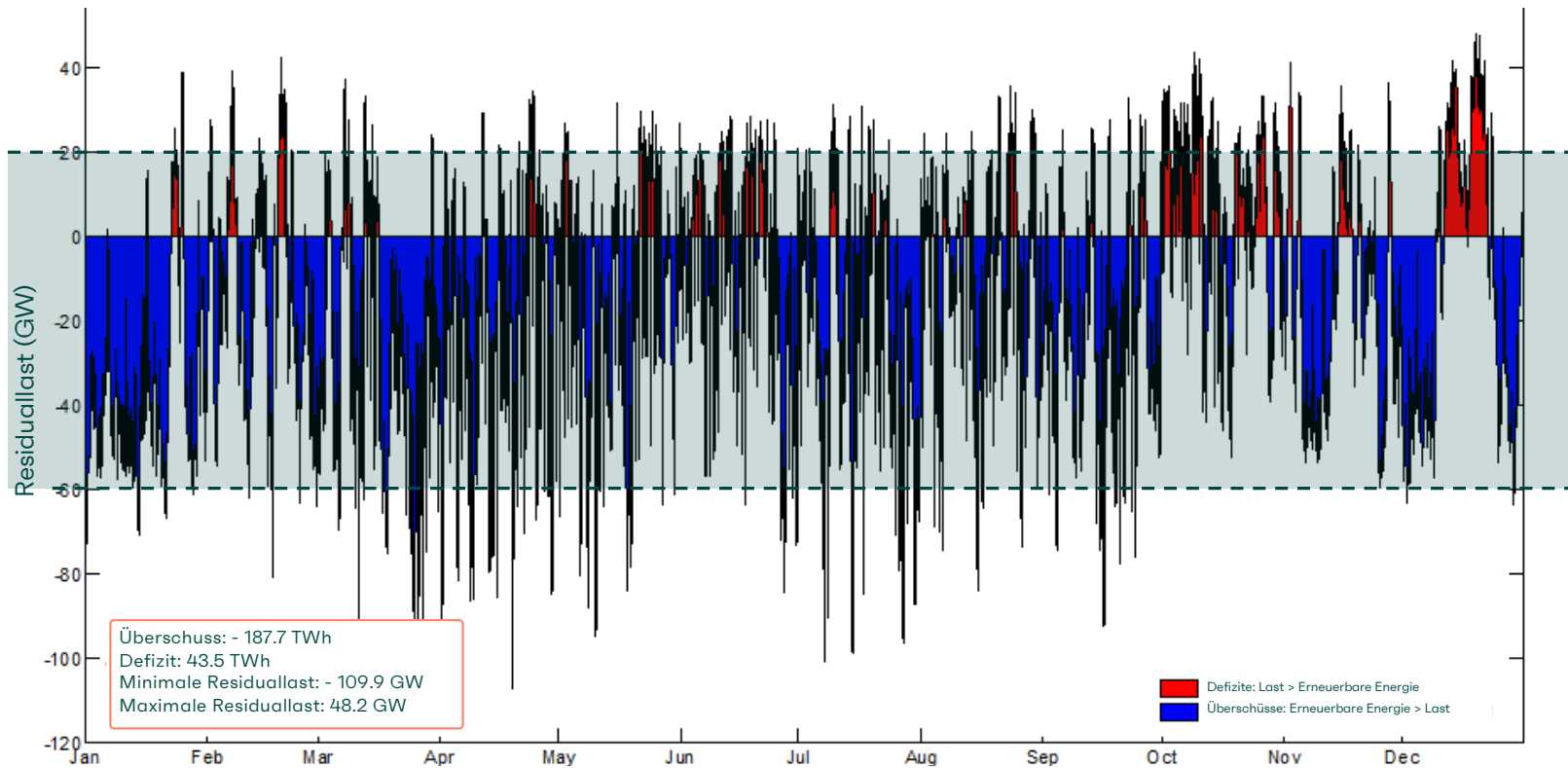
> 22 GW

> 200 TWh

-11 %

DER REVERION-EFFEKT

⚡ Reversion



Quelle: Fraunhofer IEE, StEnSea – Storing Energy at Sea
IEE-calculation for UBA Energy goal 100% electricity from RE

DER GAMECHANGER





UNSERE MISSION

100% climate positive power
flexible • decentralized • efficient



Maximilian Schmitt
Head of Sales & Marketing
sales@reverion.com

