

Felix Fischer

Die Zukunft gestalten: Reversible Brennstoff- zellen in Biogasanlagen zur Maximierung von Effizienz und Ertrag

TRANSBIO Abschlussveranstaltung -
06.03.2024

 Reverion

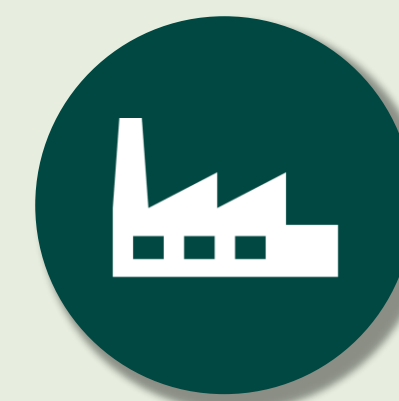




Starkes Team von
81 Mitarbeitern –
stetig wachsend



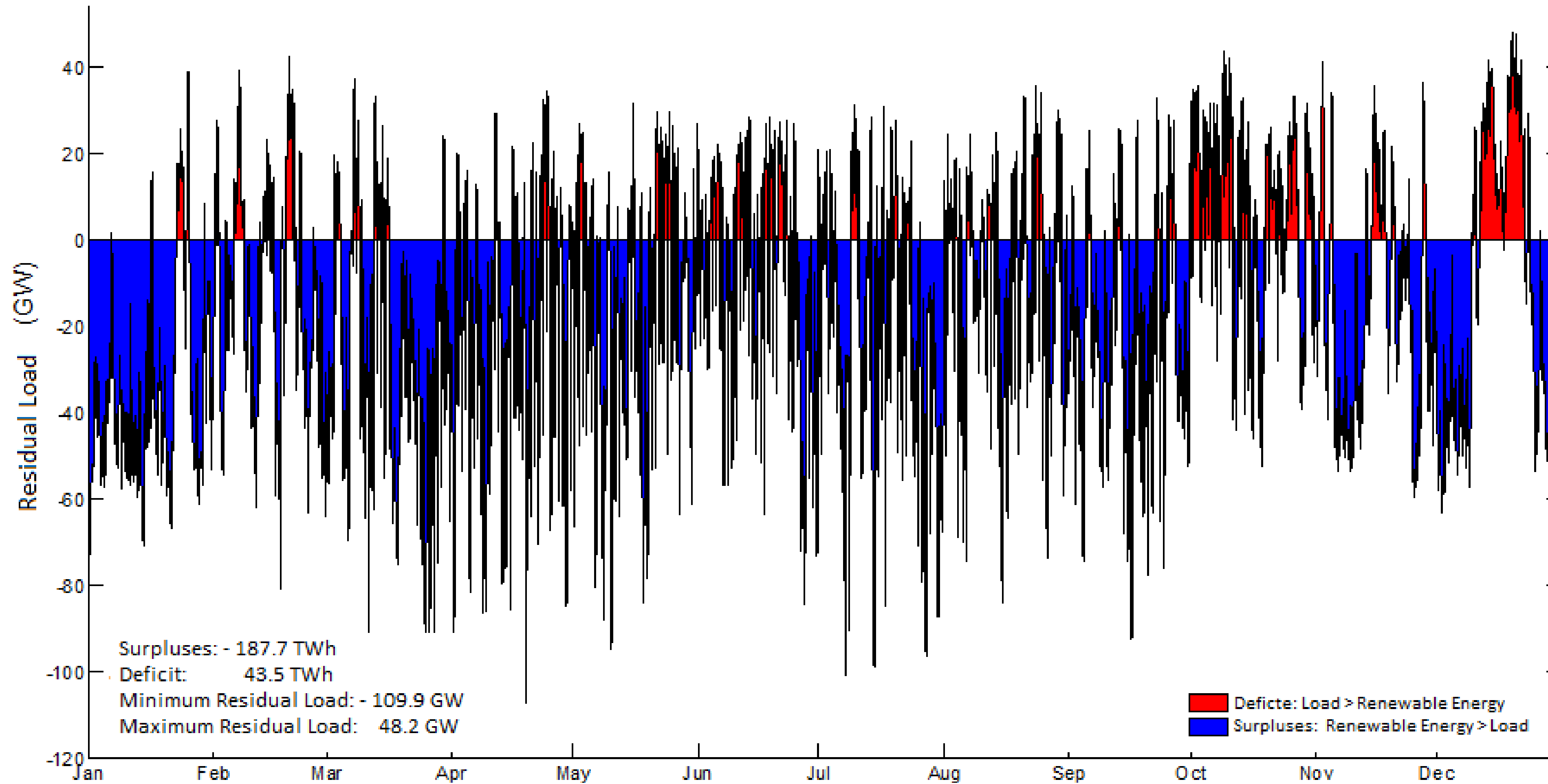
Über 35 Jahre
Teamerfahrung mit
Brennstoffzellen



400 m²
Produktionsfläche

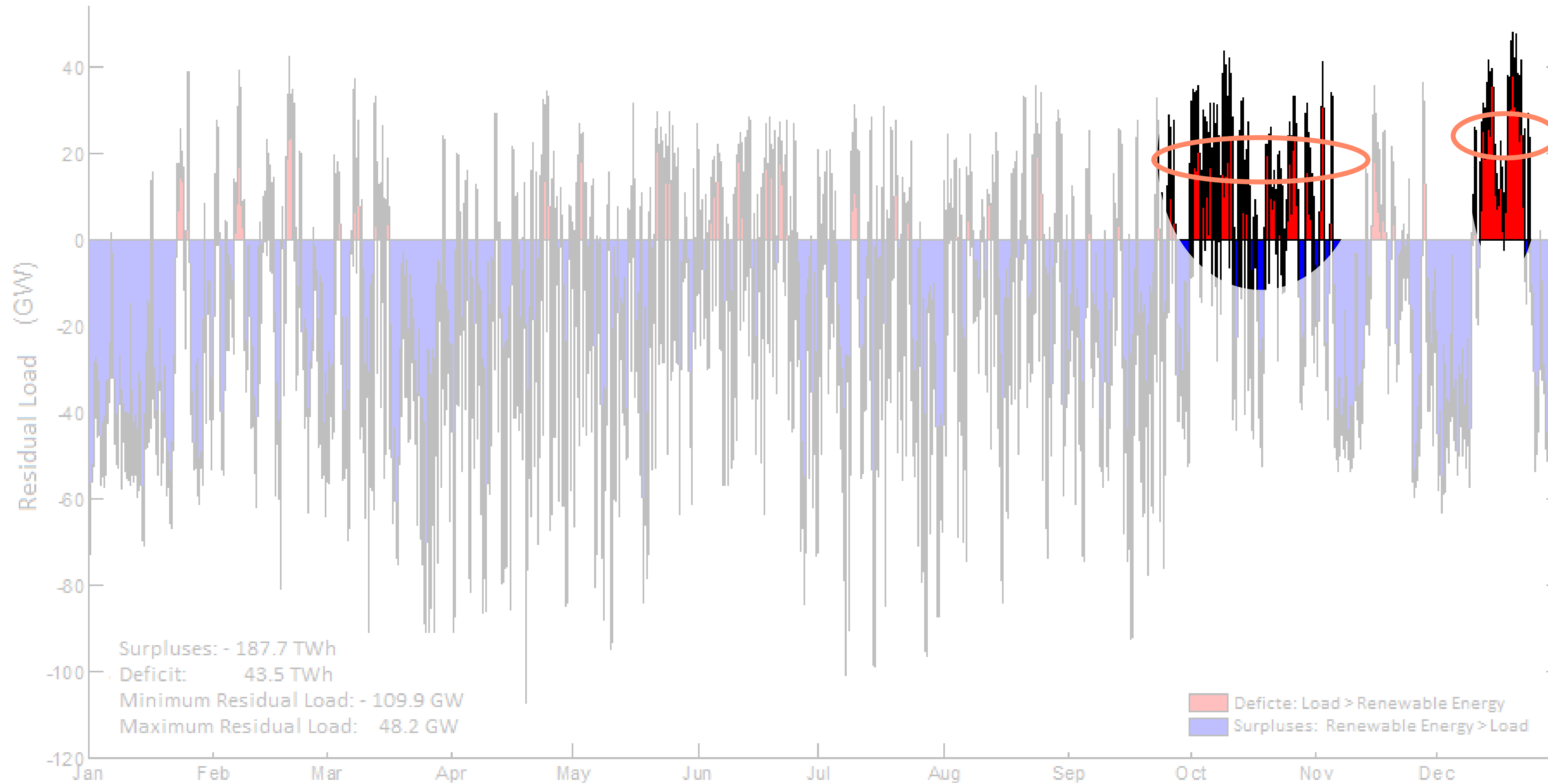
SZENARIO

100 % erneuerbarer Strom im Jahr 2050



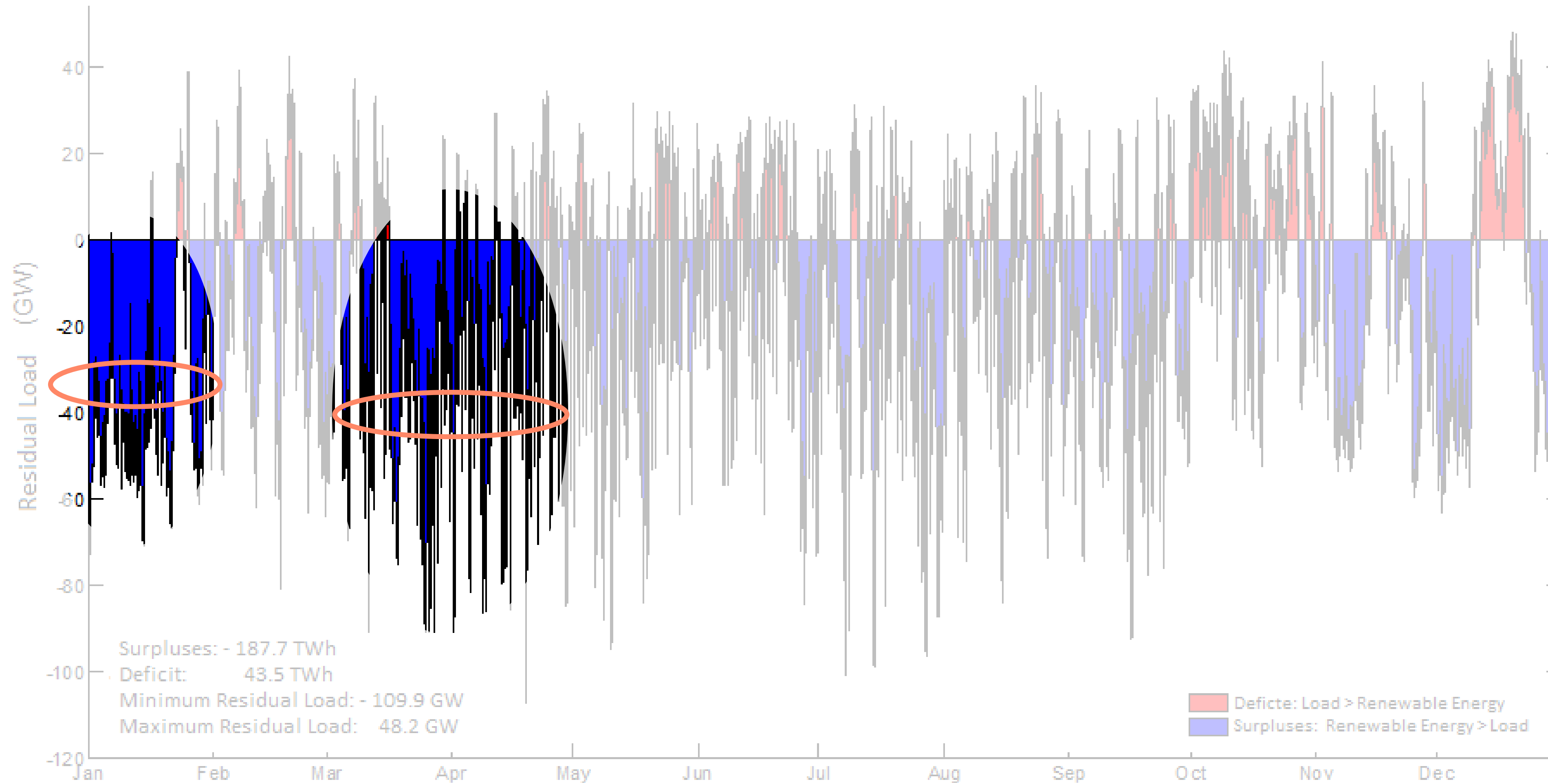
SZENARIO

100 % erneuerbarer Strom im Jahr 2050



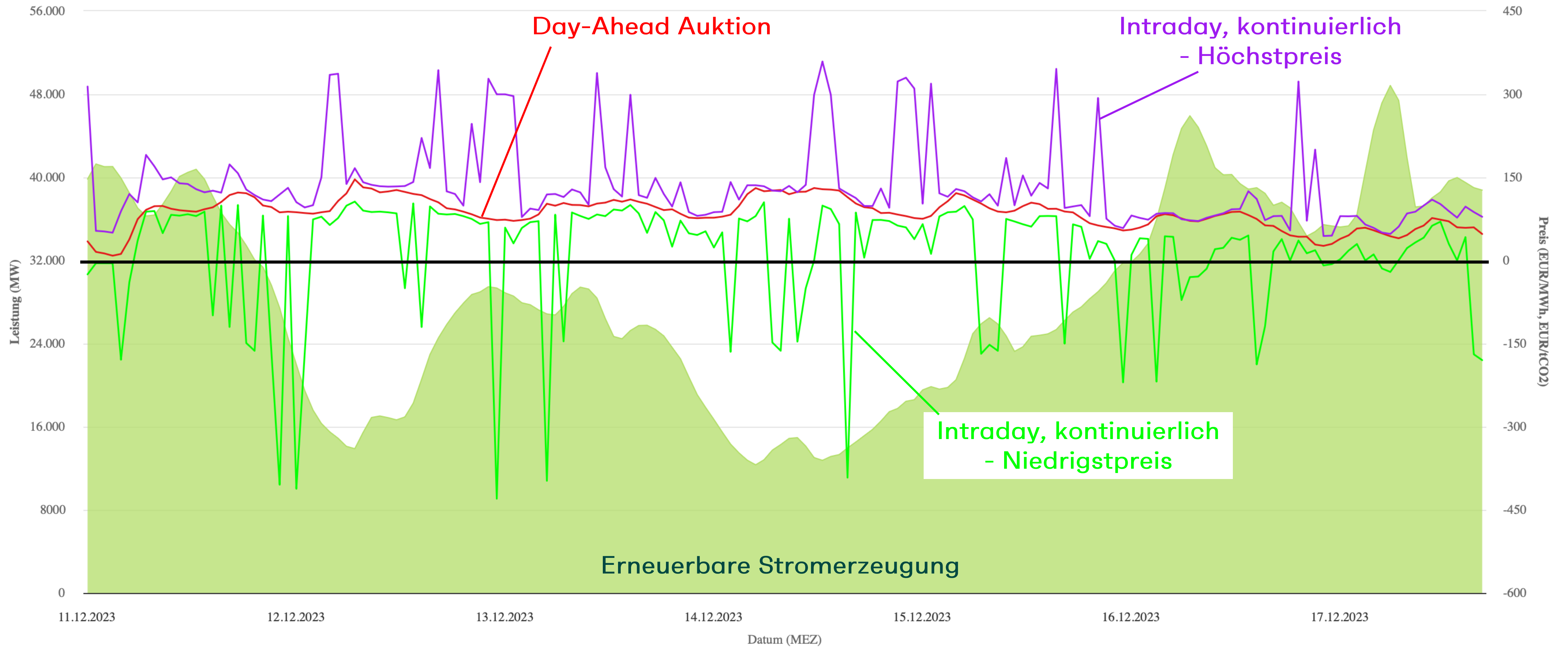
SZENARIO

100 % erneuerbarer Strom im Jahr 2050

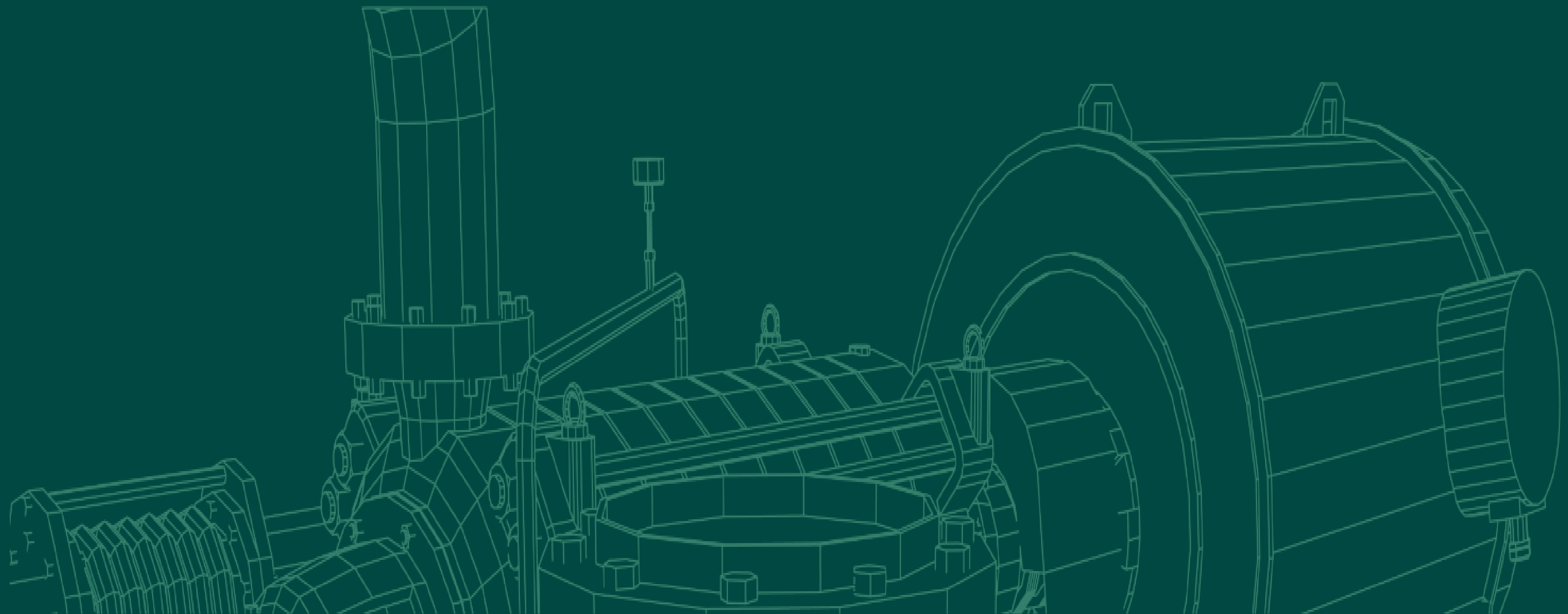


STROMPREISE

Stromproduktion und Börsenstrompreise in Deutschland in Woche 50 2023



WAS WÄRE, WENN DAS KRAFTWERK HEUTE ERFUNDEN WORDEN WÄRE?

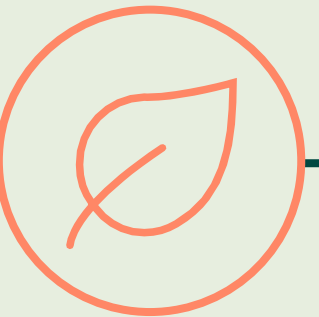
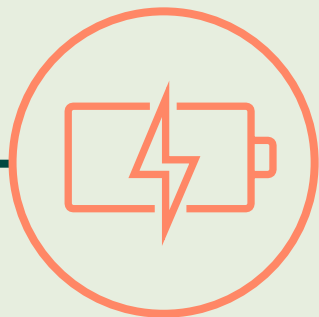


DAS REVERION KRAFTWERK



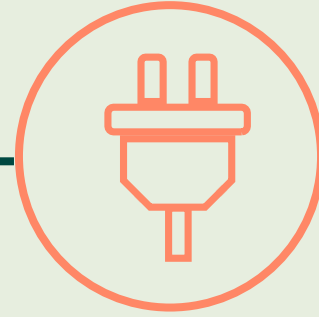
80 % EFFIZIENZ

REVERSIBEL



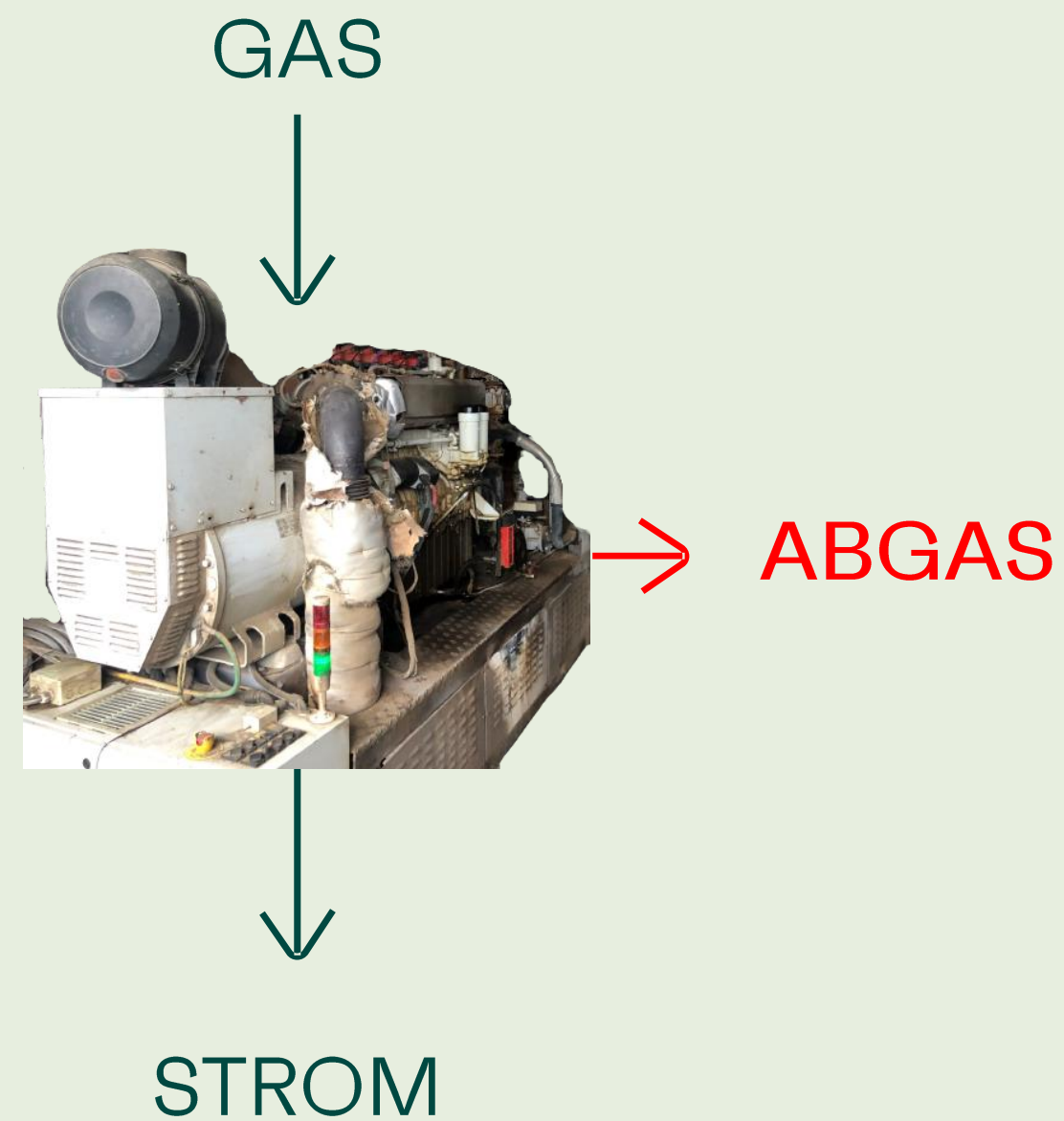
CO₂ NEGATIV

PLUG & PLAY



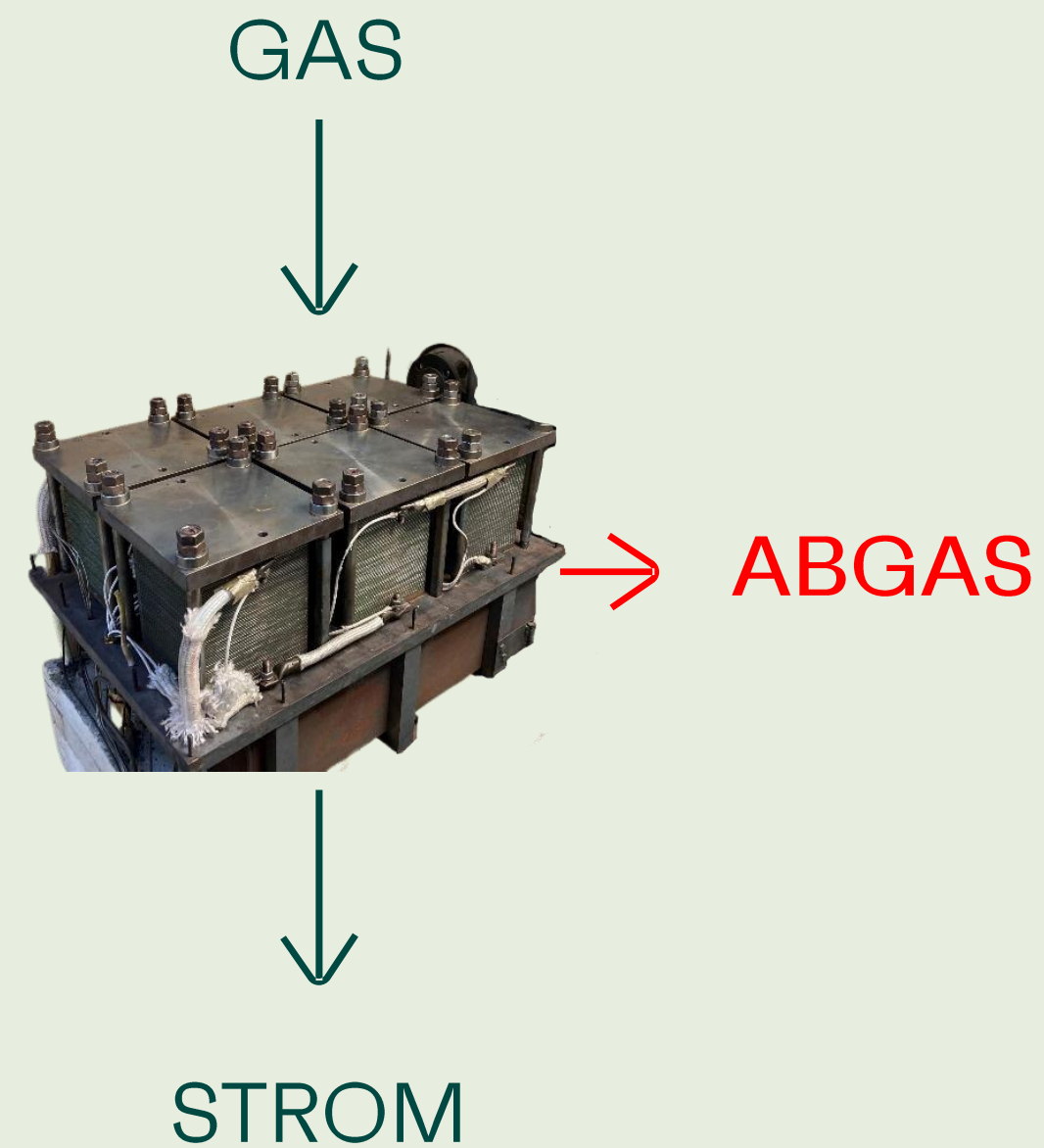
VERGLEICH STROMERZEUGUNG

MOTOR-BHKW



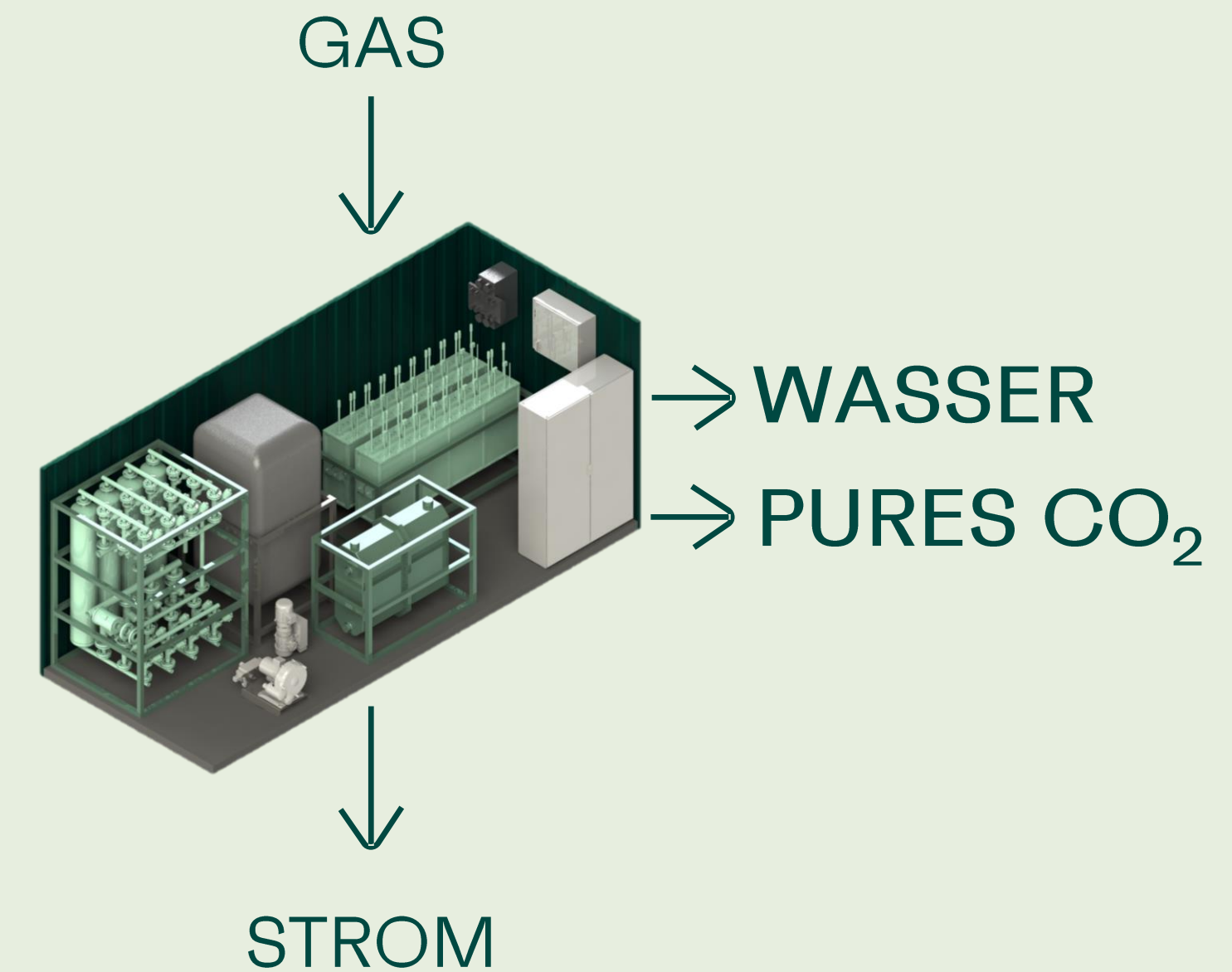
<40 %
EFFIZIENZ

SOFC



<60 %
EFFIZIENZ

Reverion

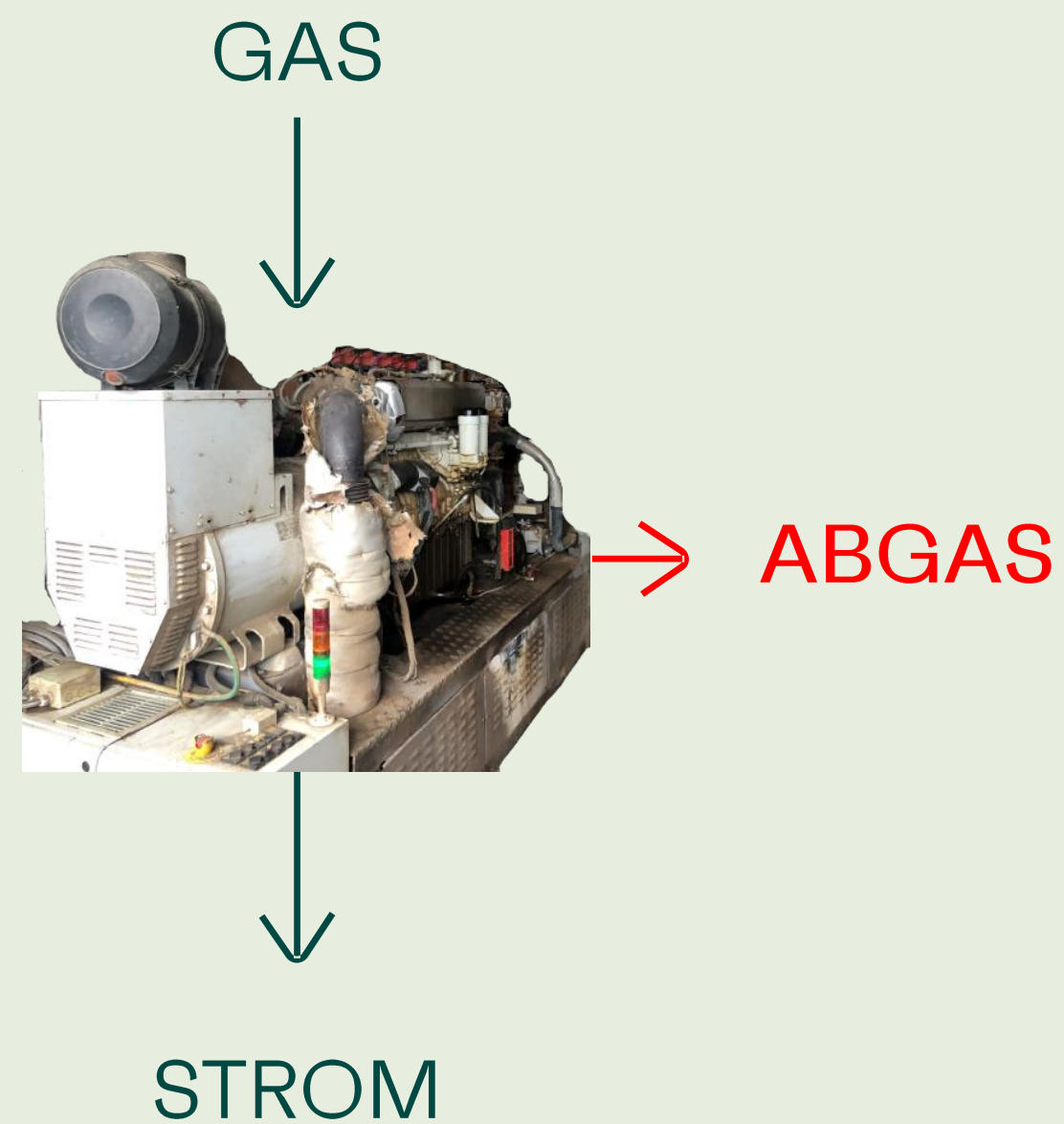


80 %
EFFIZIENZ



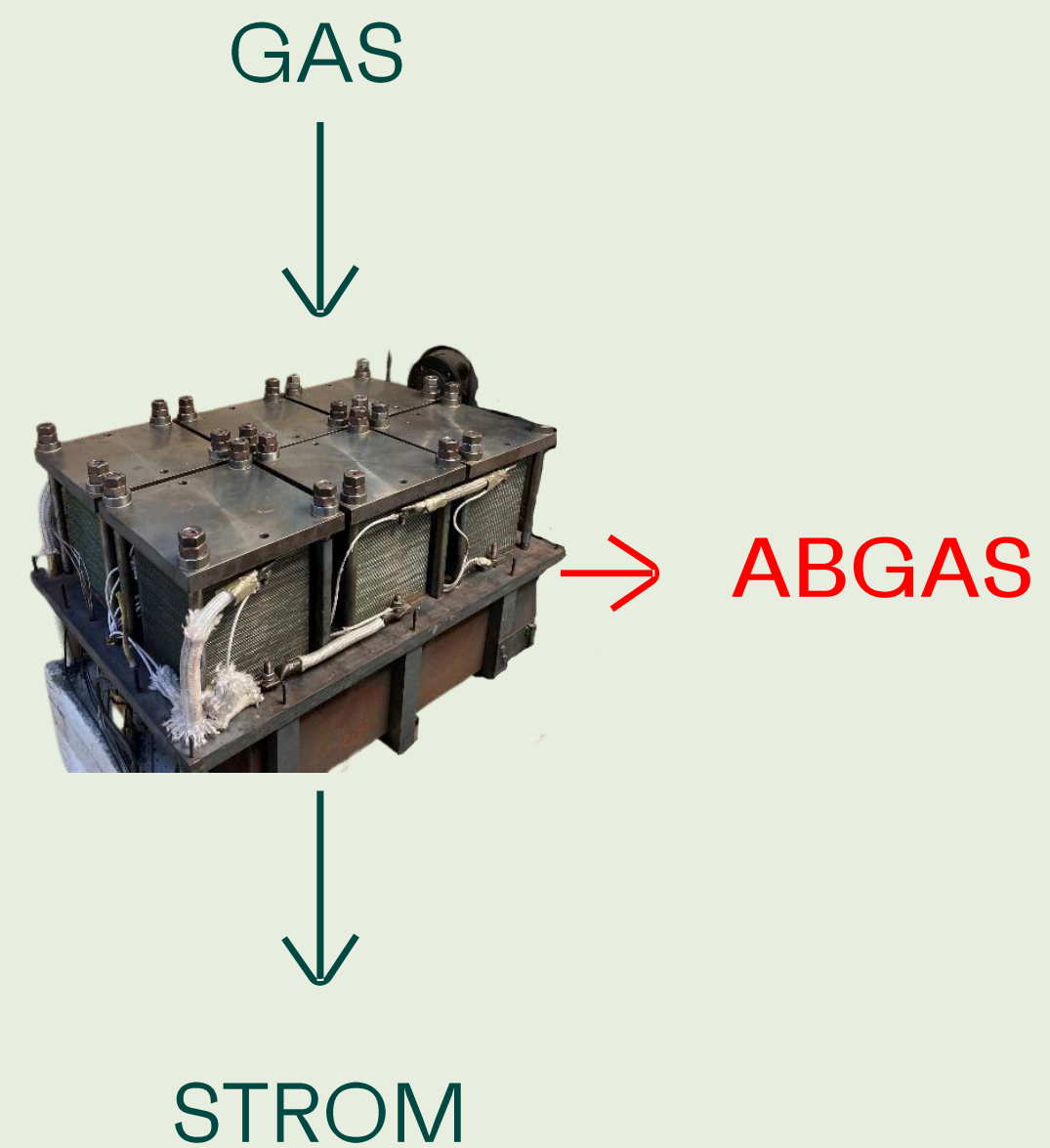
VERGLEICH STROMERZEUGUNG

MOTOR BKHW



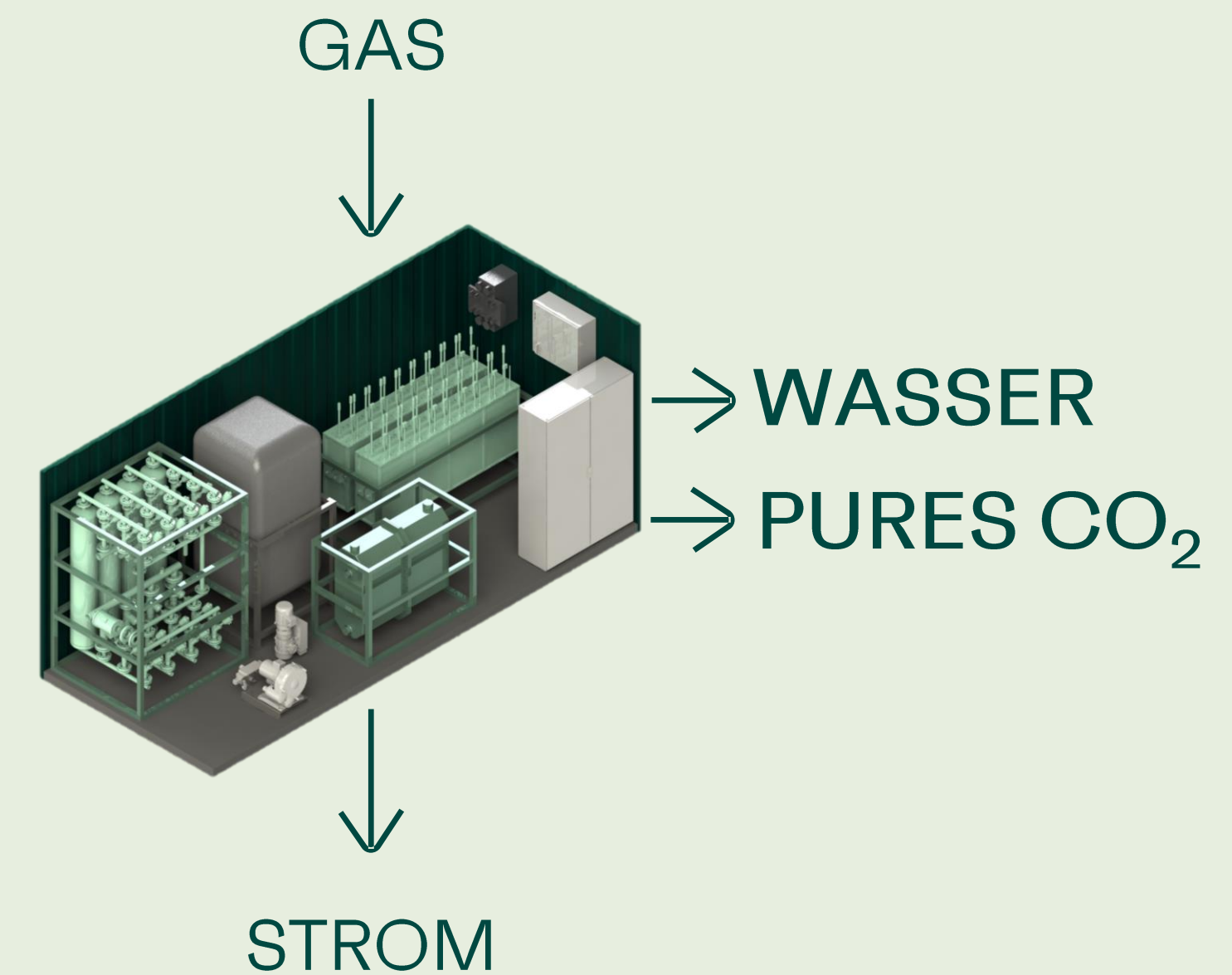
<40 %

SOFC



<60 %


Reverion

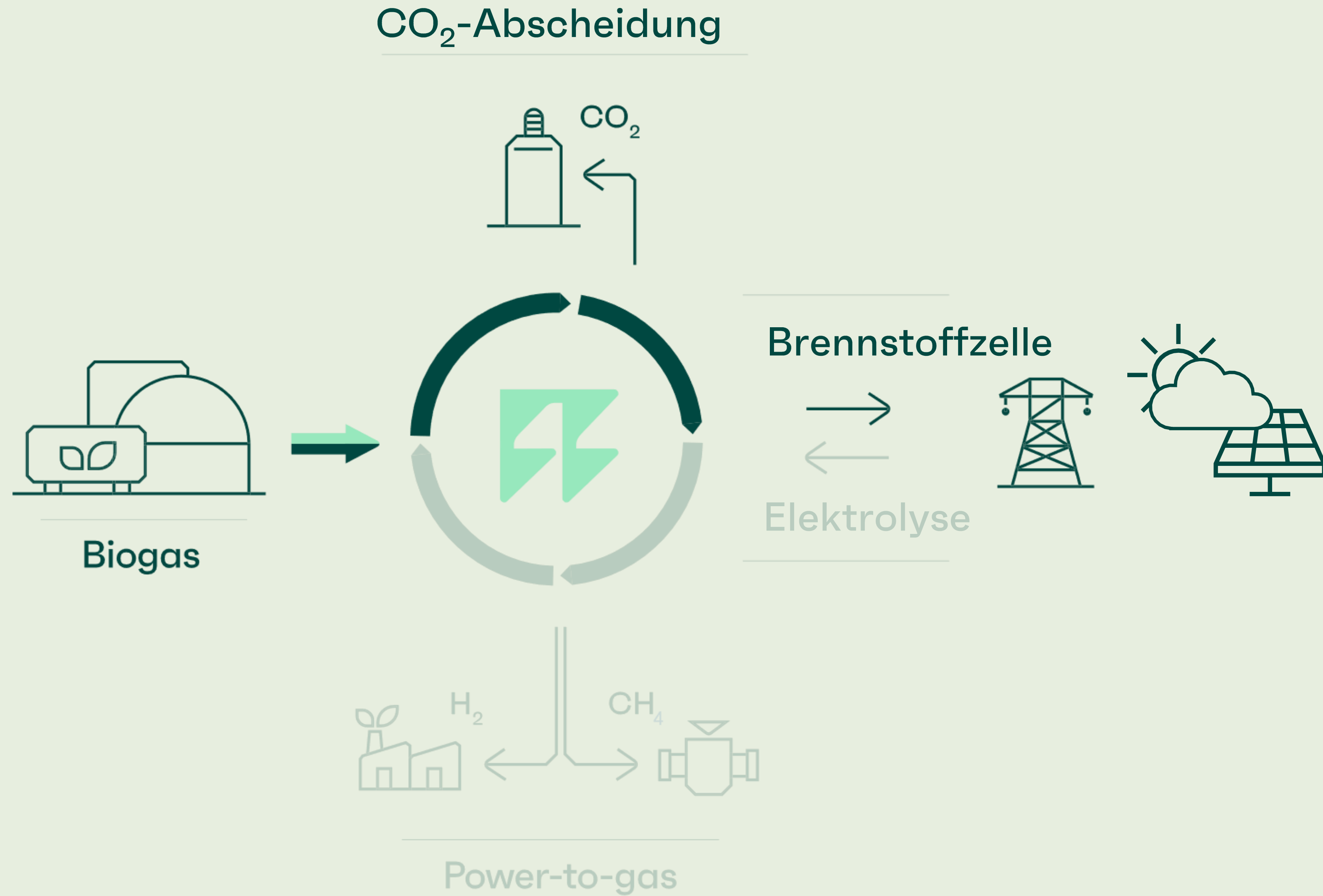


80 %



SYSTEMDESIGN

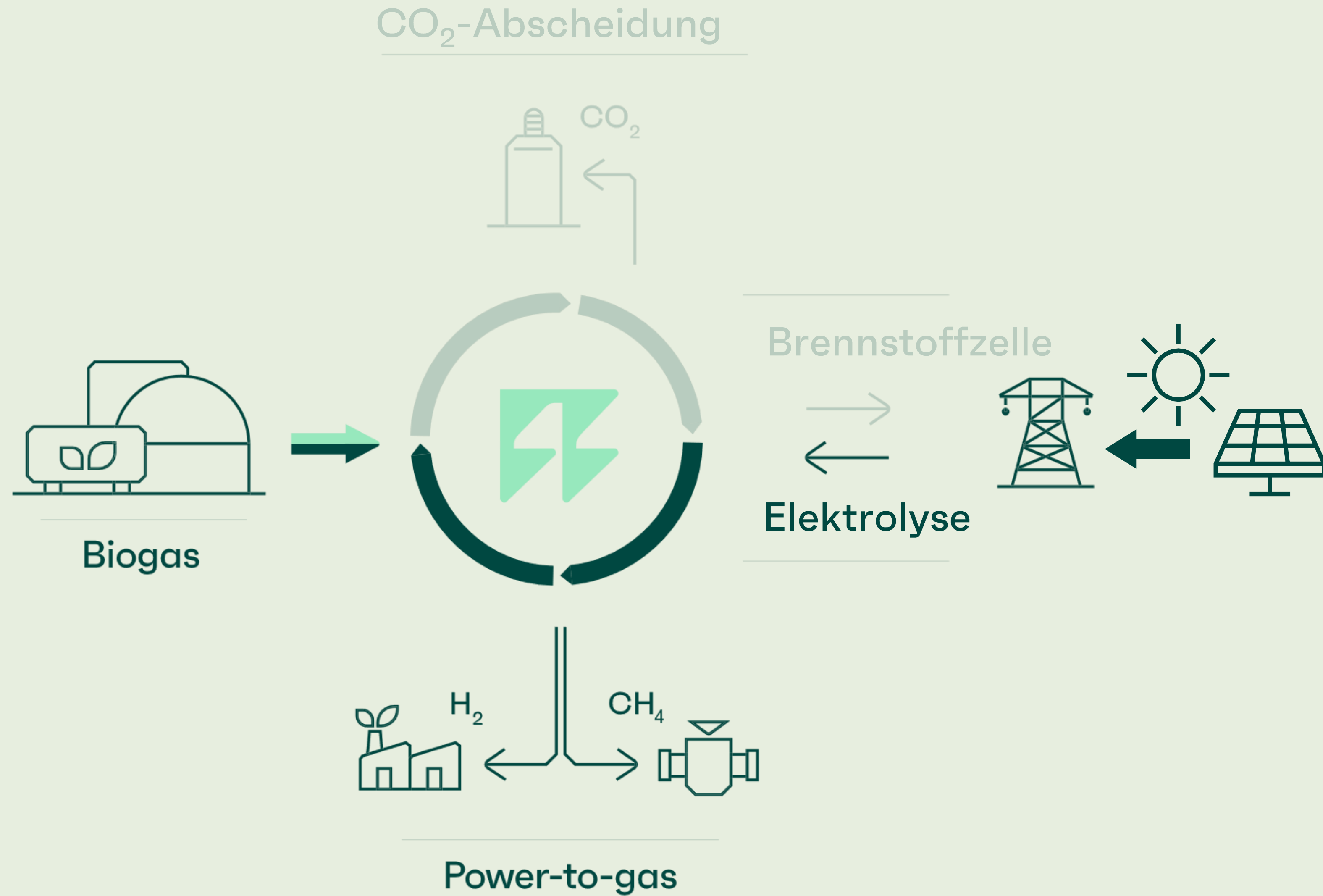

STROMPRODUKTION



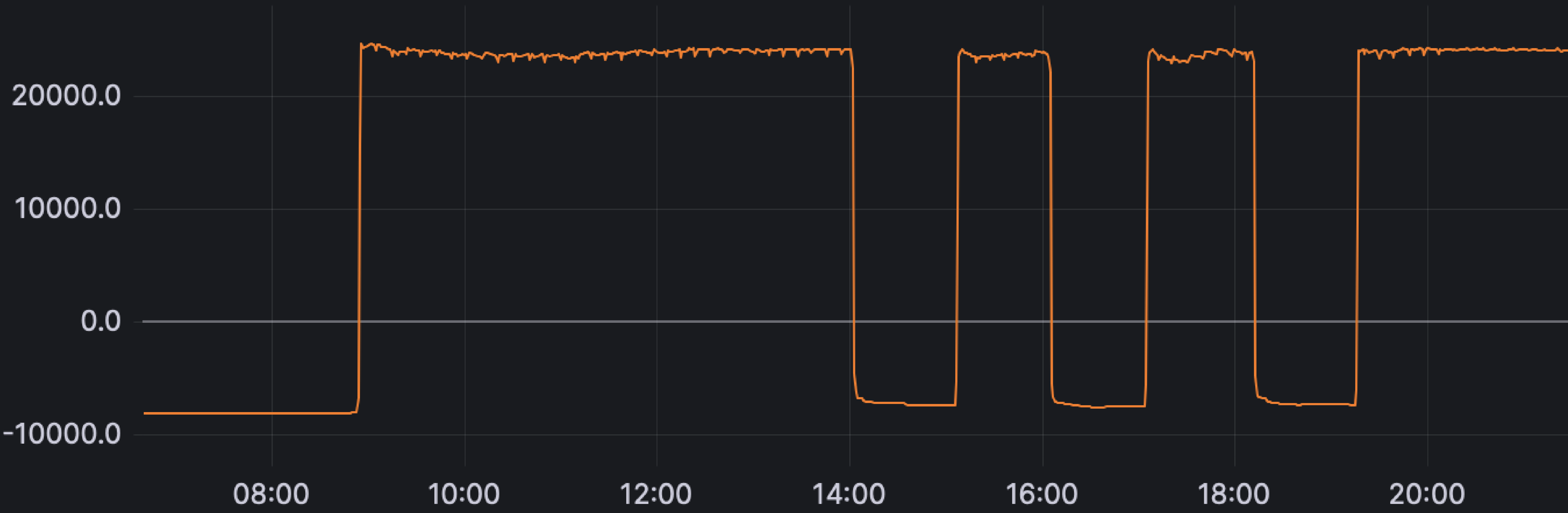
SYSTEMDESIGN



GASPRODUKTION



Netzteil ▾

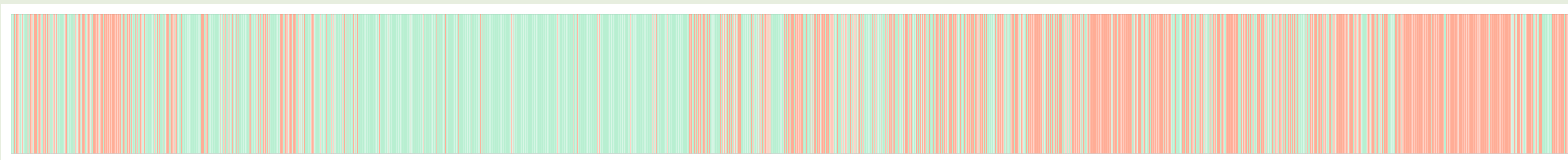


N1_DcCurrentSet N1_DcVoltSet N1_IRms N1_PRms N1_VRms

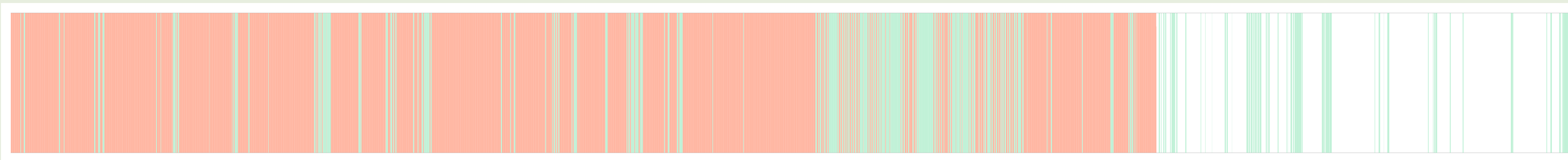


REVERSIBLER BETRIEB

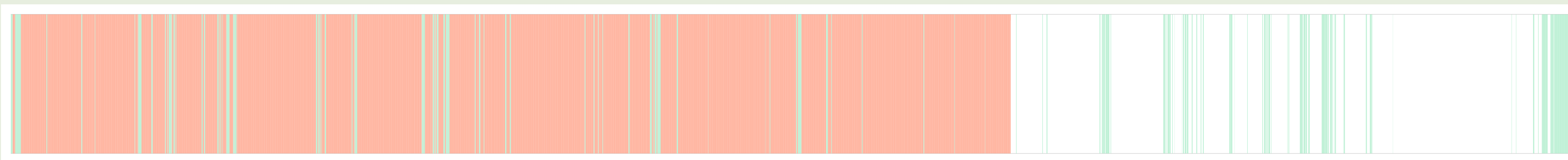
2020



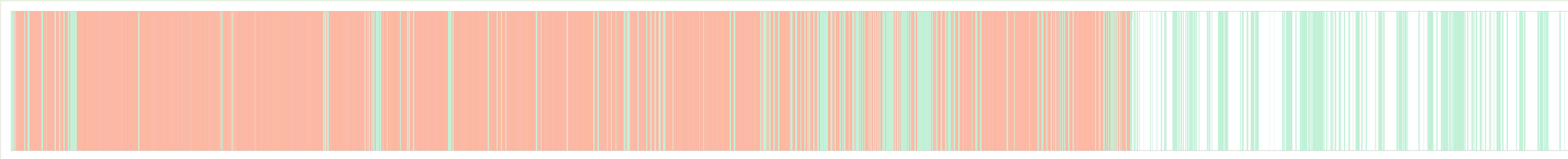
2021



2022



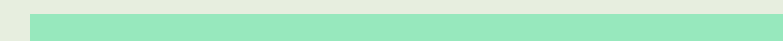
2023



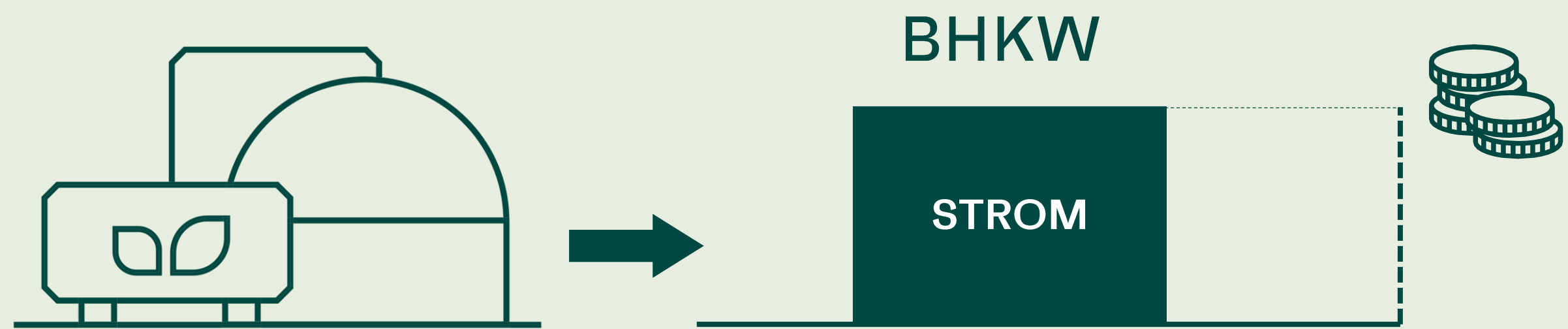
STROMERZEUGUNG



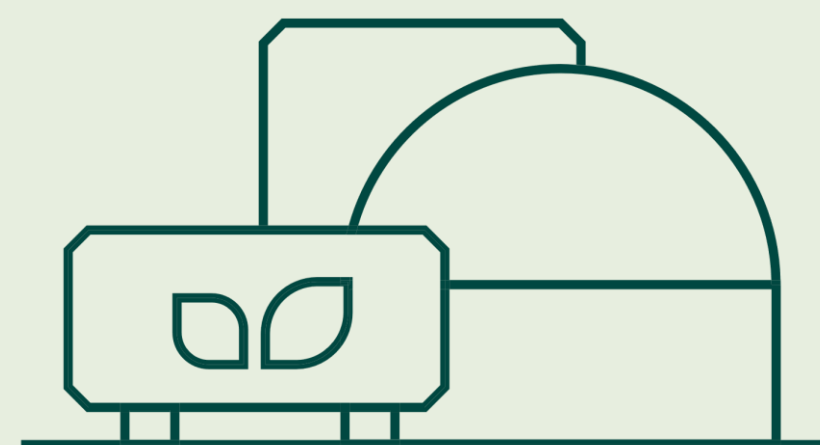
STROMSPEICHERUNG



VORTEILE FÜR DEN KUNDEN



VORTEILE FÜR DEN KUNDEN



BHKW

STROM

x2

x5

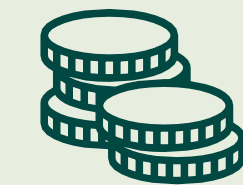
Reverion

CO₂

CH₄ / H₂

REGEL-
LEISTUNG

STROM



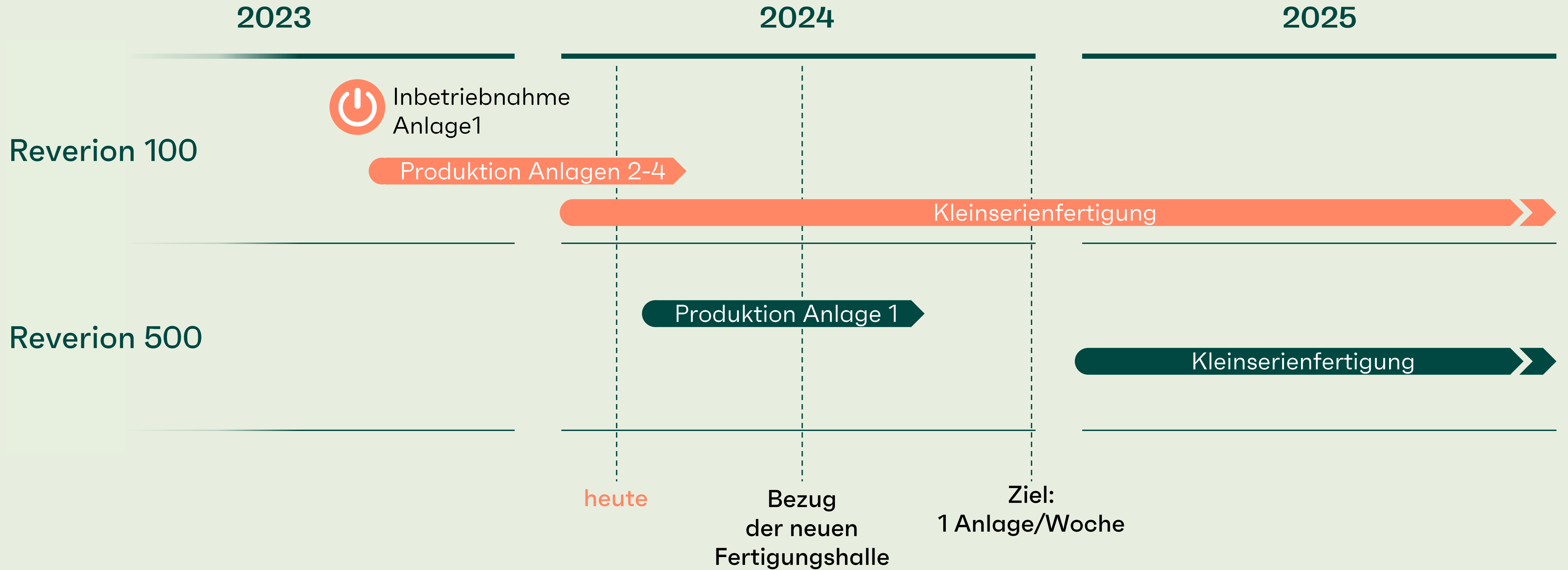
READY

TO

SCALE



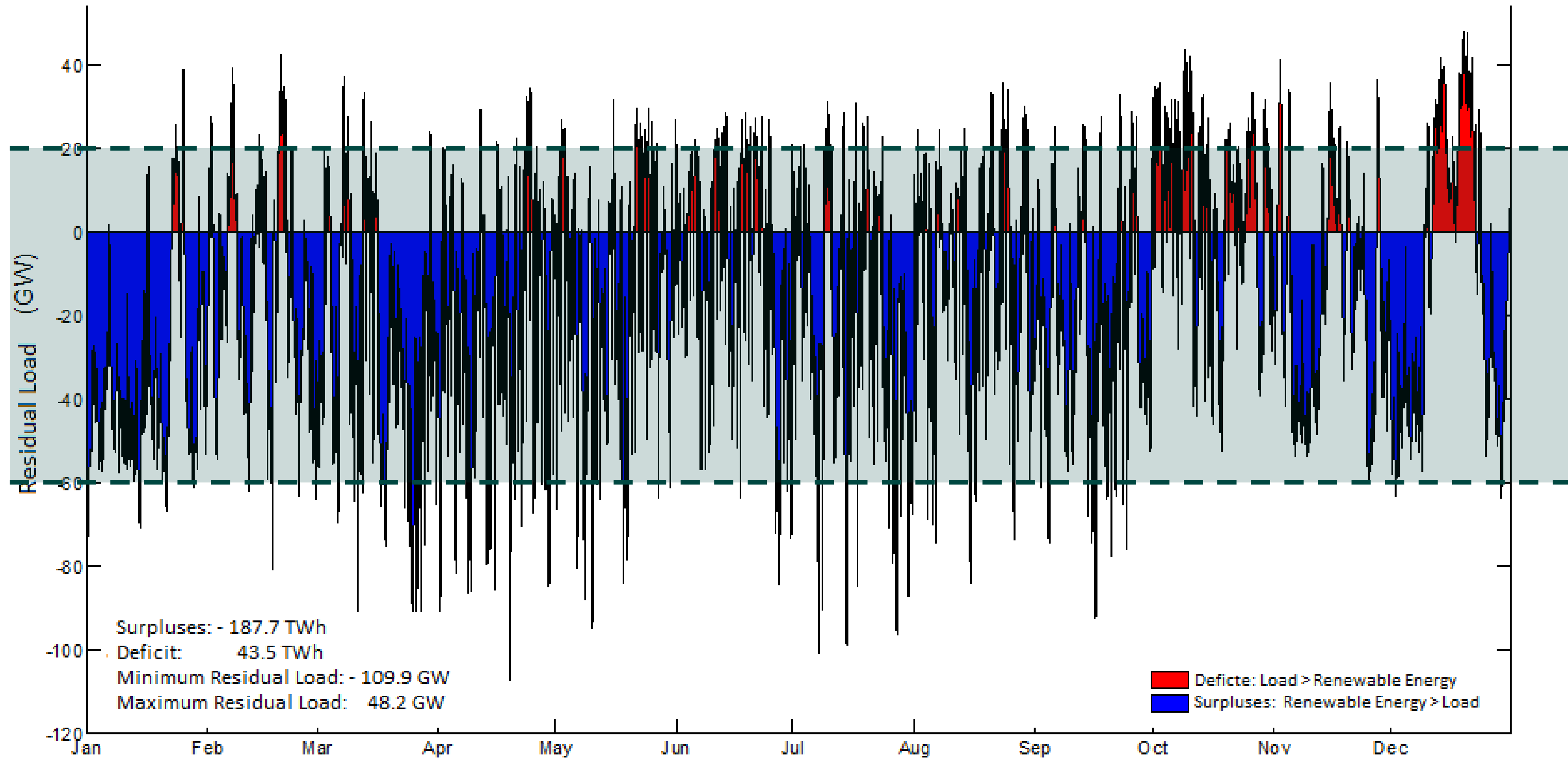
READY TO SCALE



CHALLENGE ACCEPTED

100 % erneuerbarer Strom im Jahr 2050

Reverion



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



UNSERE MISSION

100% Climate Positive Power
flexibel • dezentral • effizient

 Felix Fischer

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 <https://reverion.com>