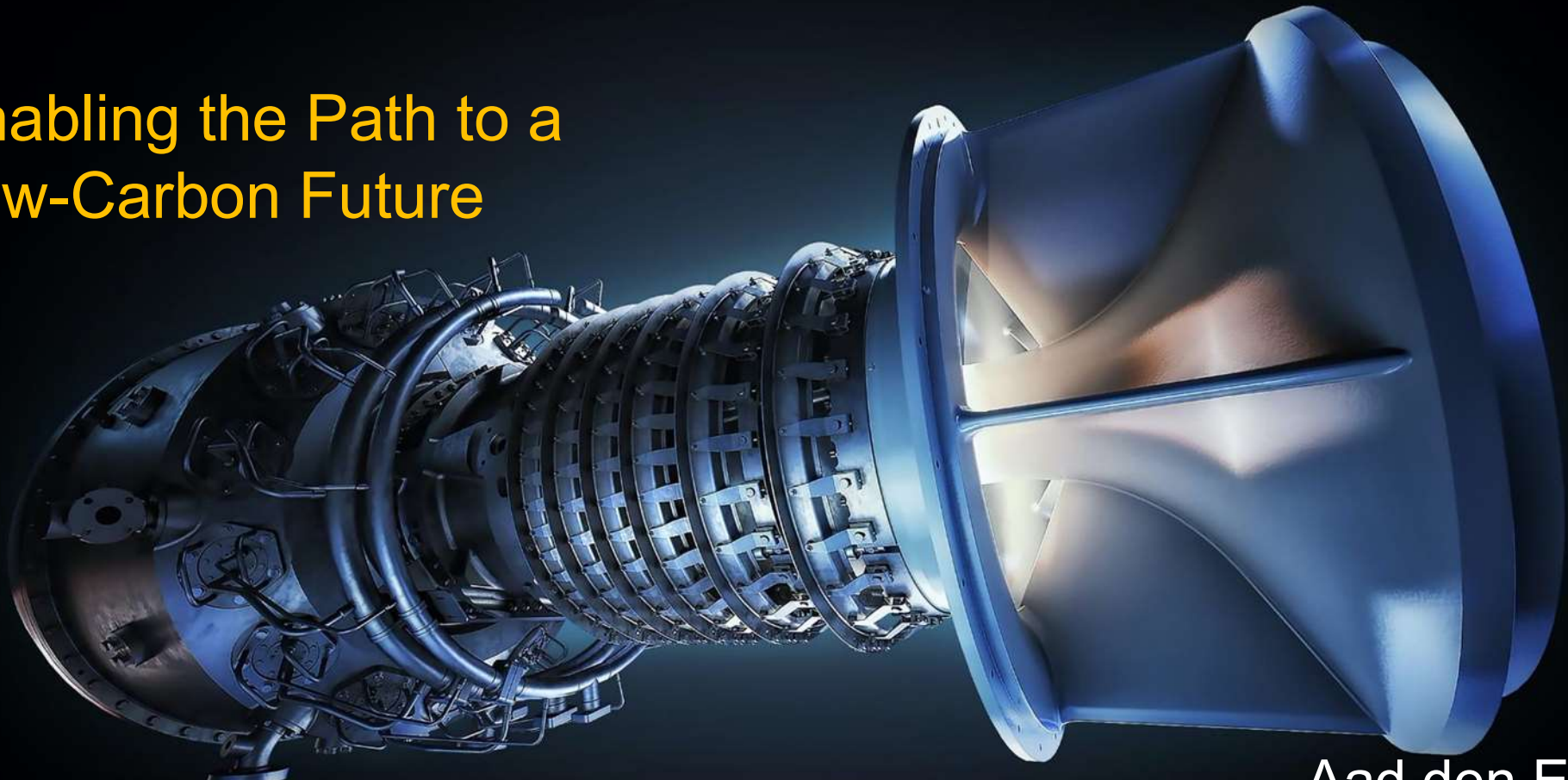


ETN International Gas Turbine Conference 2023

Enabling the Path to a
Low-Carbon Future



Solar Turbines
A Caterpillar Company

Powering the Future

Aad den Elzen
VP, Power Generation & Strategic Growth

Solar At a Glance

Solar Turbines
A Caterpillar Company

**World's Largest
Manufacturer of Industrial
Gas Turbines**
(1 to 23 MW)



Subsidiary of Caterpillar Inc.

SINCE 1981



**Installations in
100+ Countries**

Direct End-to-End
Sales and Service

65

**Sales and Service
Locations**



16,000+
Gas Turbines Sold



6,500+
Gas Compressors
Sold

Global Workforce

9,000+

Employees



Energy Transitions Take Time



Diversification to enhance security of supply

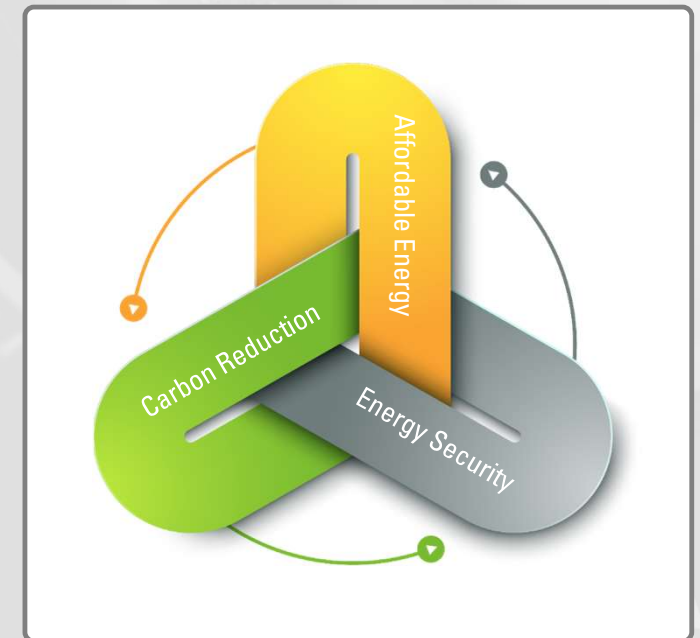


Balanced approach supporting the speed of the energy transition

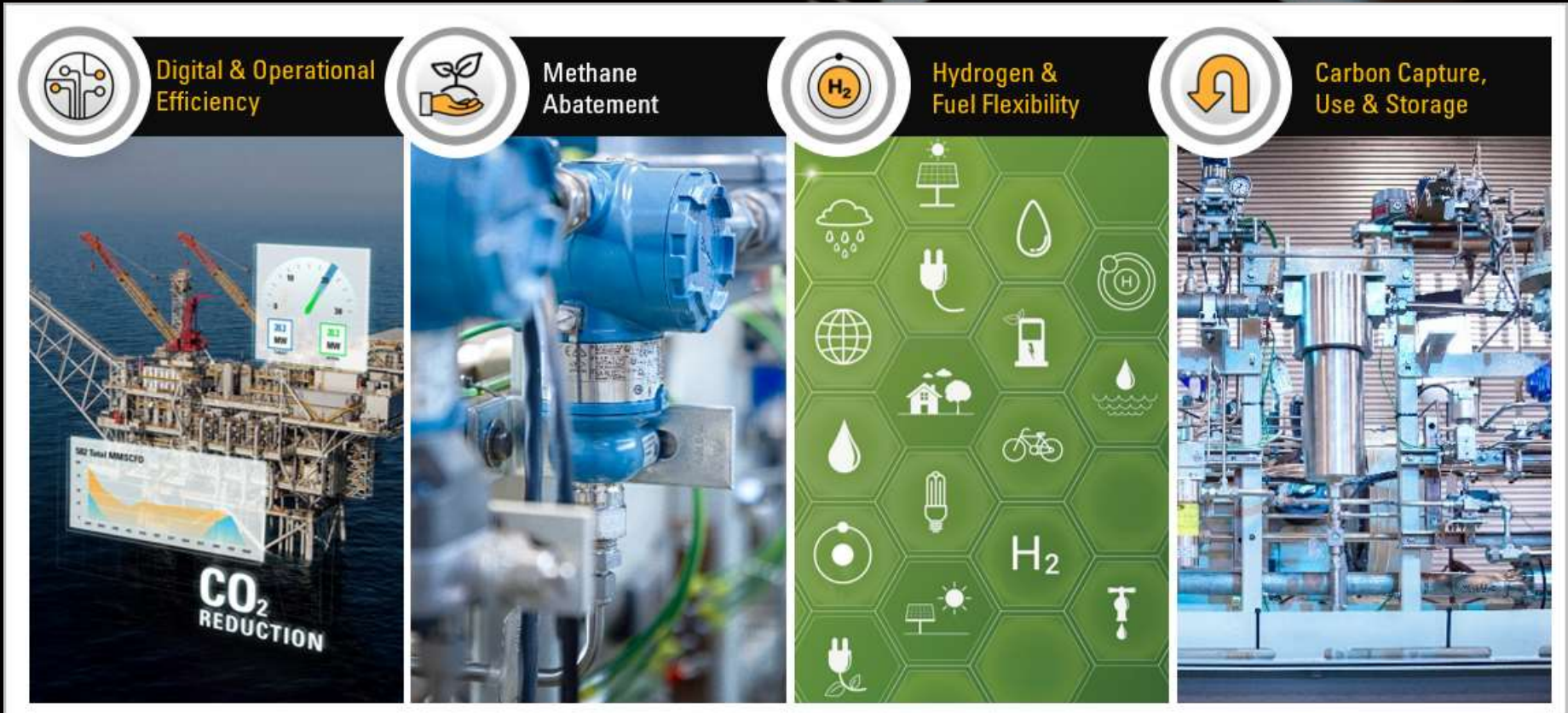


Energy solutions adapted to specific regional Requirements

Decentralized Power
Clean Energy Renewables
Biomethane Energy Storage
Sustainability
Optimization Natural Gas
Hydrogen Electrolysis
Resiliency
Energy Efficiency
Carbon Neutral Digitalization
Carbon Capture & Sequestration
Electrification
Methane Abatement
Steam Methane Reforming
Curtailement



Carbon Reduction Pillars



Digital Solutions

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Operational Optimization

Do More with Less, Operate More Efficiently & Reduce Fuel Consumption, Multi-Asset Optimization



CO₂ Emissions Monitoring

Establish Baseline Metrics, Tracking Improvements, and Identify Bad Actors



Digital Asset Equipment Life Extension

Component Reuse & Time Between Overhaul (TBO) Extension

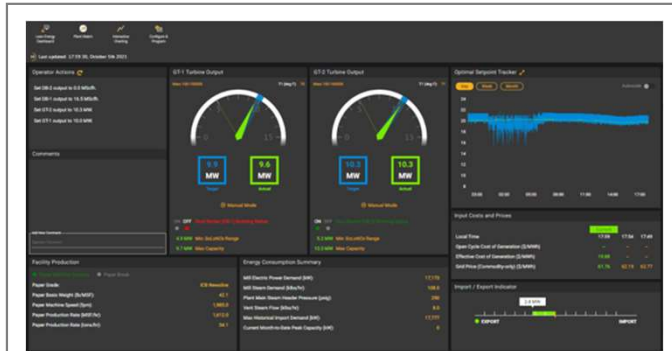


Reduced Mobilizations

Remote Troubleshooting Tools Reduce Equipment & Personnel Travel



Spinning Reserve Optimization



Energy Optimization

Dispatchable Technology

- Modular / Mobile (3-38MWe)
- Quick Start (<5 min)
- Multiple (Low Carbon) Fuels
- Flexible and Reliable
- Future-Ready Solutions



Excess Renewables

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Long-Term Storage



Reliable dispatchable Power Generation



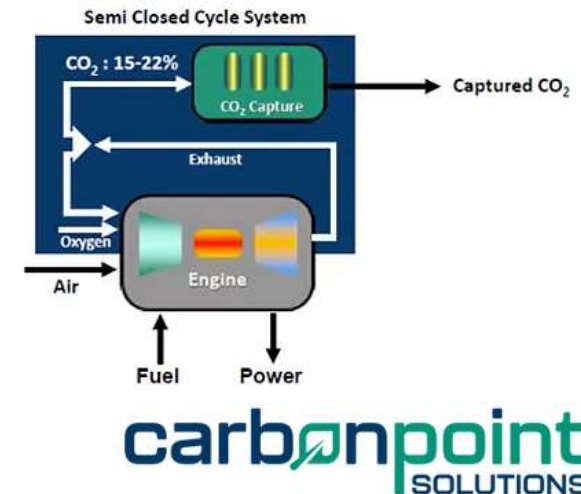
Short-Term Storage



Balanced Power Grid

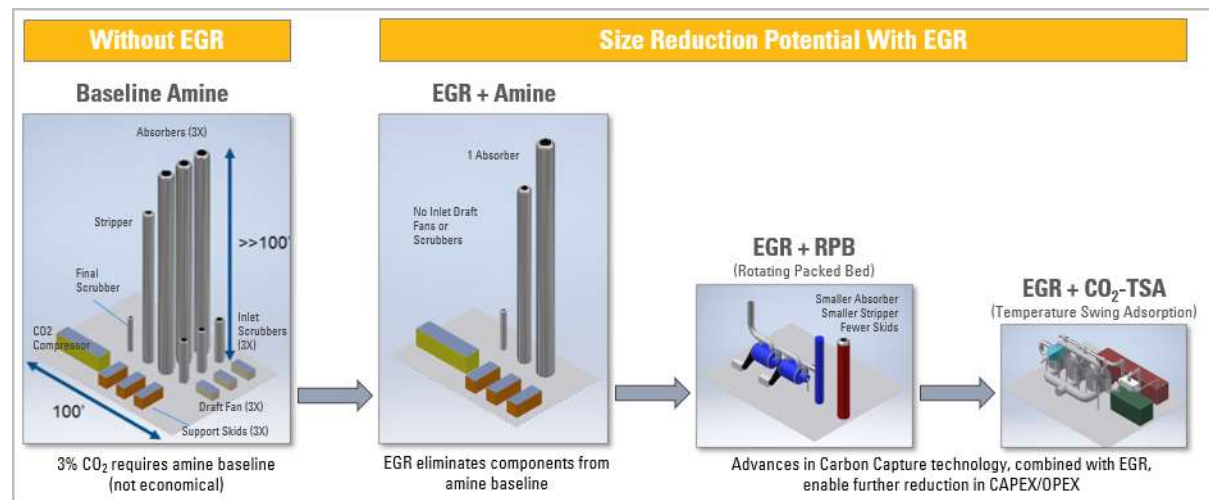
Carbon Capture

- CAT acquired CarbonPoint Solutions in 2021
- Patented processes to concentrate CO₂ and reduce capture system cost (EGR)
- CO₂-TSA to capture >95% CO₂ emissions



carbonpoint
SOLUTIONS

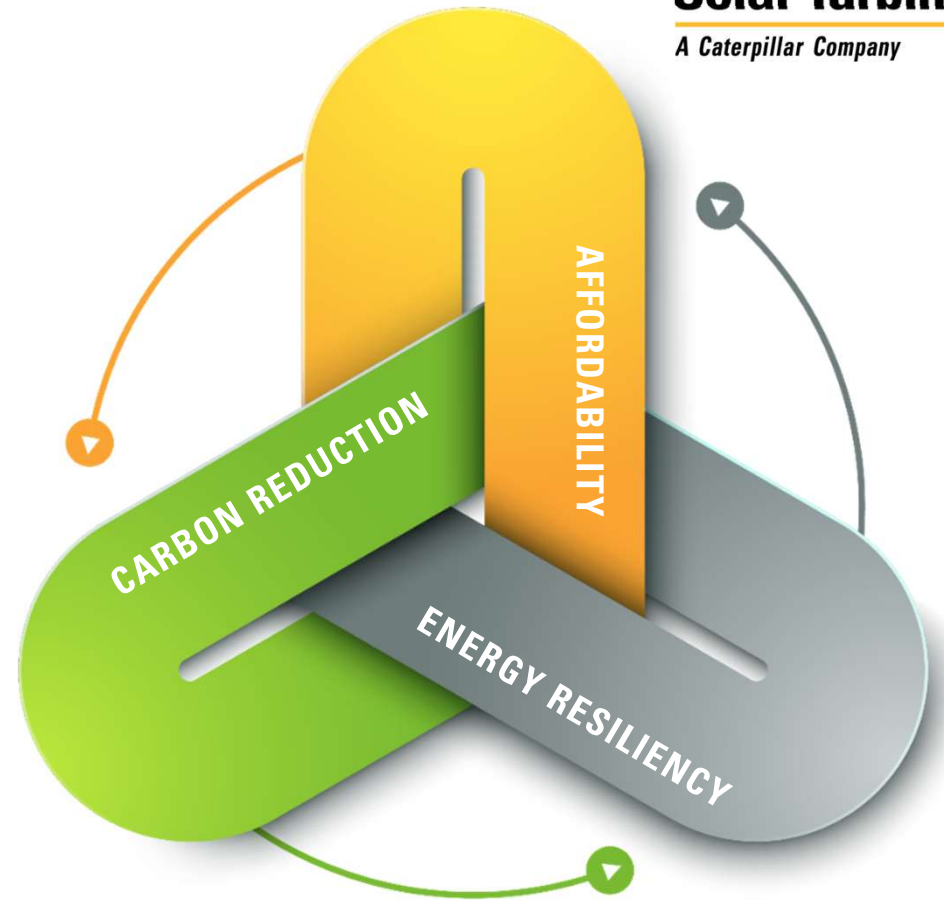
- Concentrating CO₂
 - Enables cost-effective capture at distributed scale
 - Agnostic of CC technology
- Technology Pilots ongoing



Our Commitment

Solar Turbines
A Caterpillar Company

- ✓ Investing in Efficient GT technology
- ✓ Enabling Lower Carbon Intensity Solutions
- ✓ Future-Ready Solutions
- ✓ DG supports growth for Renewable Energy



BALANCED SOLUTIONS TOWARDS SUCCESSFUL ENERGY TRANSITION

THANK YOU

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