



# CUSTOMER DAY CONTENT NEW UNITS

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**CUSTOMER DAY** - October 4<sup>th</sup> 2023

## ENERGY TRANSITION

H<sub>2</sub>  
READY

INCREASED  
FLEXIBILITY

LOW  
EMISSIONS

ENERGY SECURITY

**GAS TURBINES**

# ANSALDO ENERGIA PORTFOLIO

PERFECTLY MATCHES ALL  
THESE NEEDS



## **GT36**

**The best technology  
for power generation**

TODAY...

And thanks to experience and field tests, today we can provide an high efficient and flexible H-class with...

**800MW+**

**62,5%+** in combined cycle



RWE

ansaldo energia

TECNICAS REUNIDAS

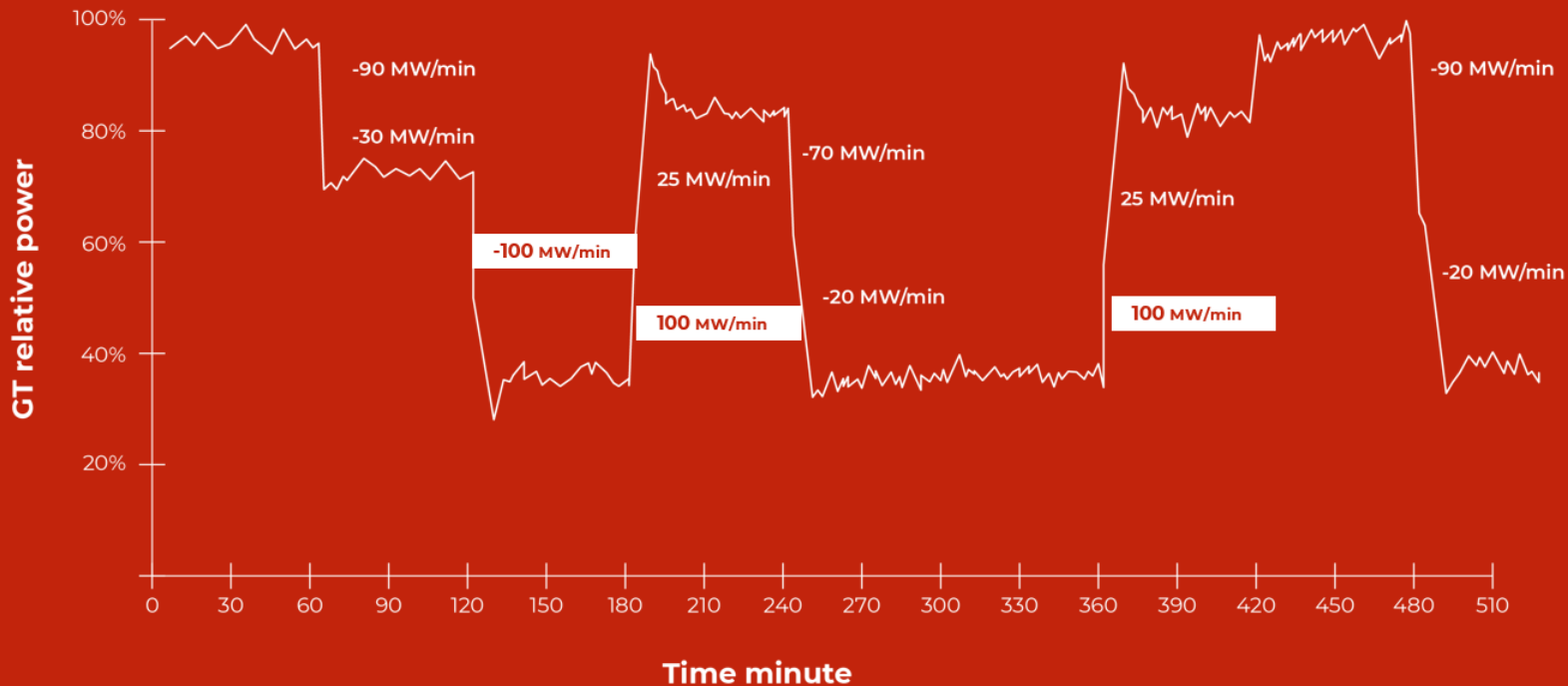
Signing Ceremony

H...eady C... Weis...er

## New AEN achievement

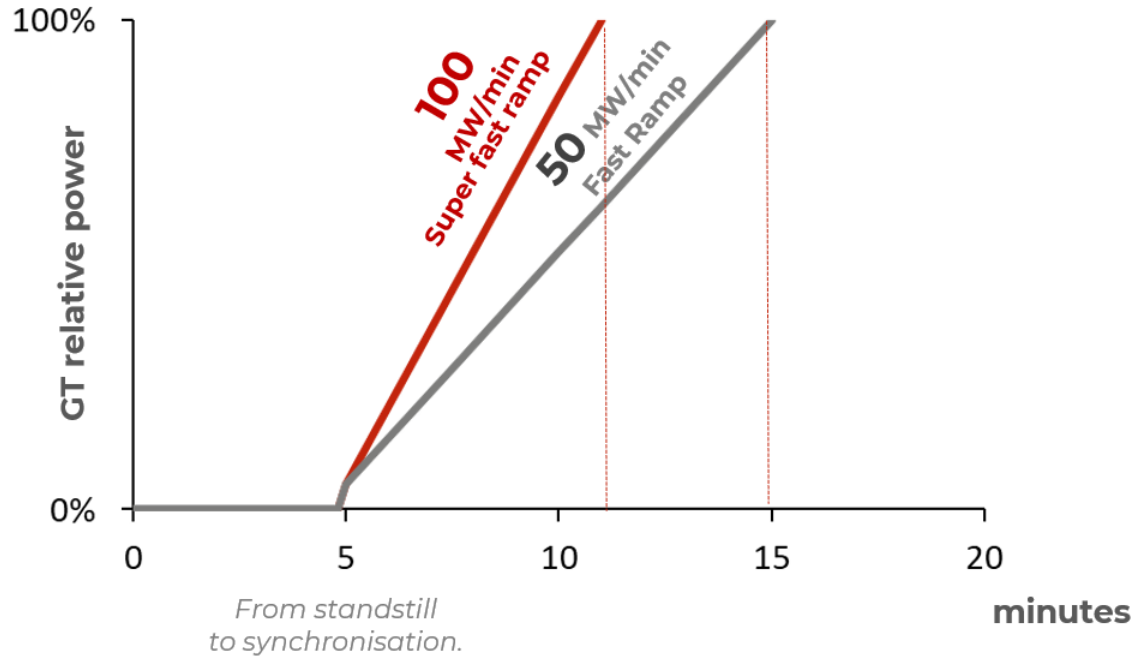
The Ansaldo Energia GT36 for the decarbonization of Germany

# How GT36 contributes to energy transition: Proven flexibility



**GT36: load gradients of  $\pm 100$  MW/min in use**

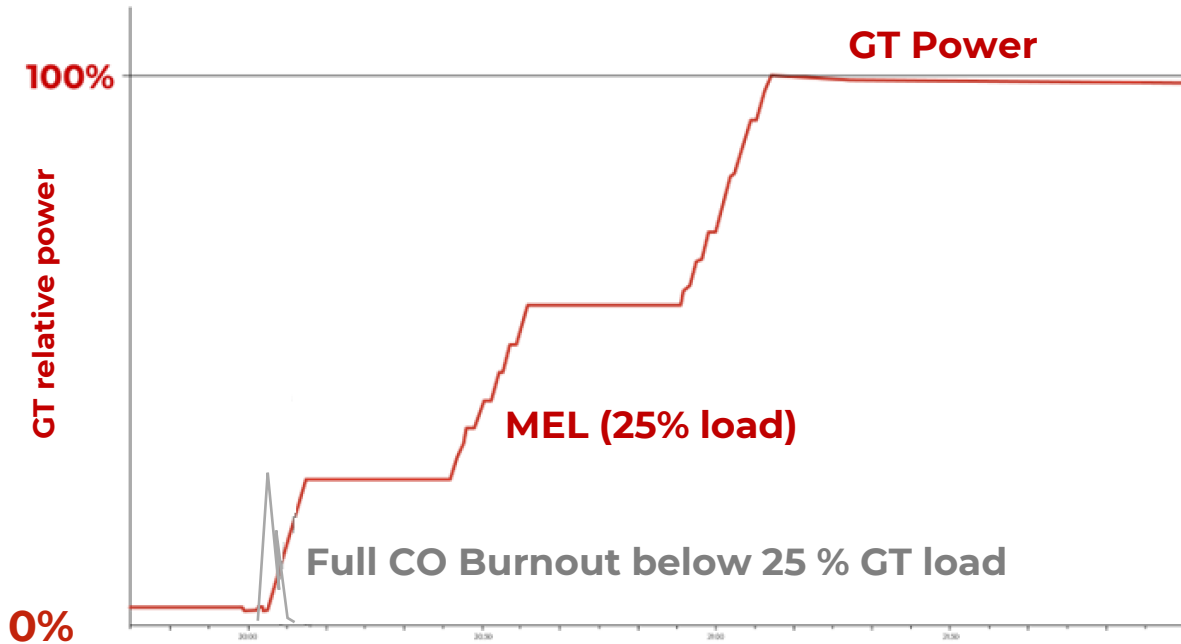
## Proven flexibility - GT start up time



**15 min** to Full load  
with Fast Ramp rate

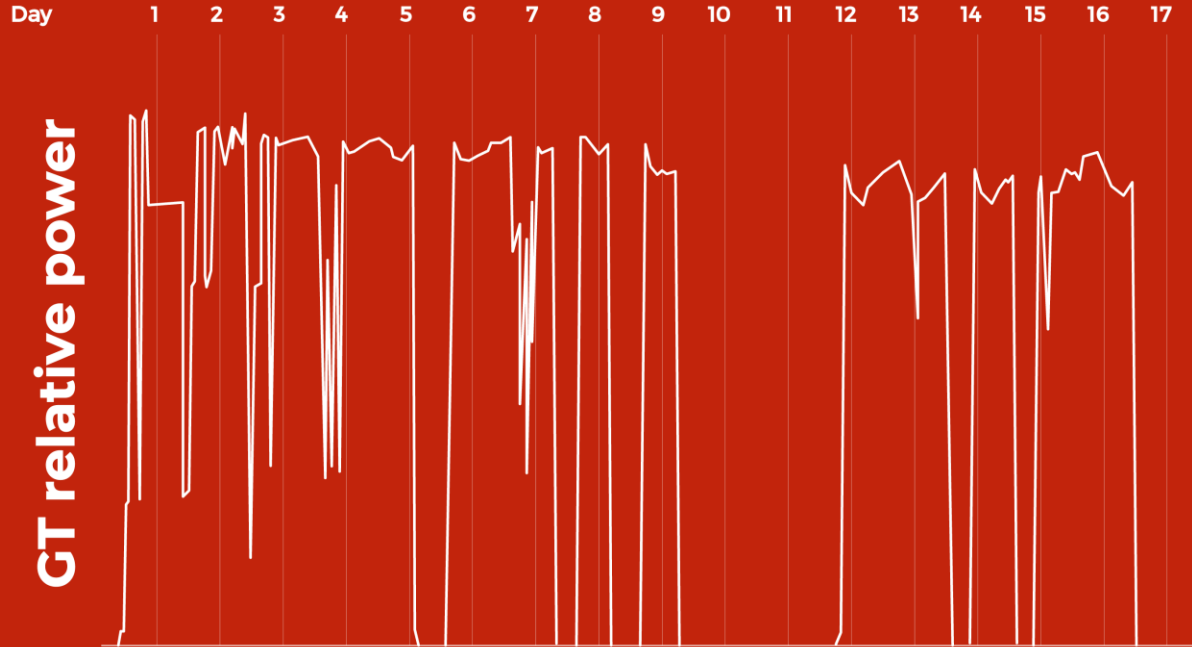
**12 min** to Full load  
with Super Fast Ramp  
rate

# How GT36 contributes to energy transition: **Proven readiness**



**GT36: @ 25% MEL emissions-compliant**

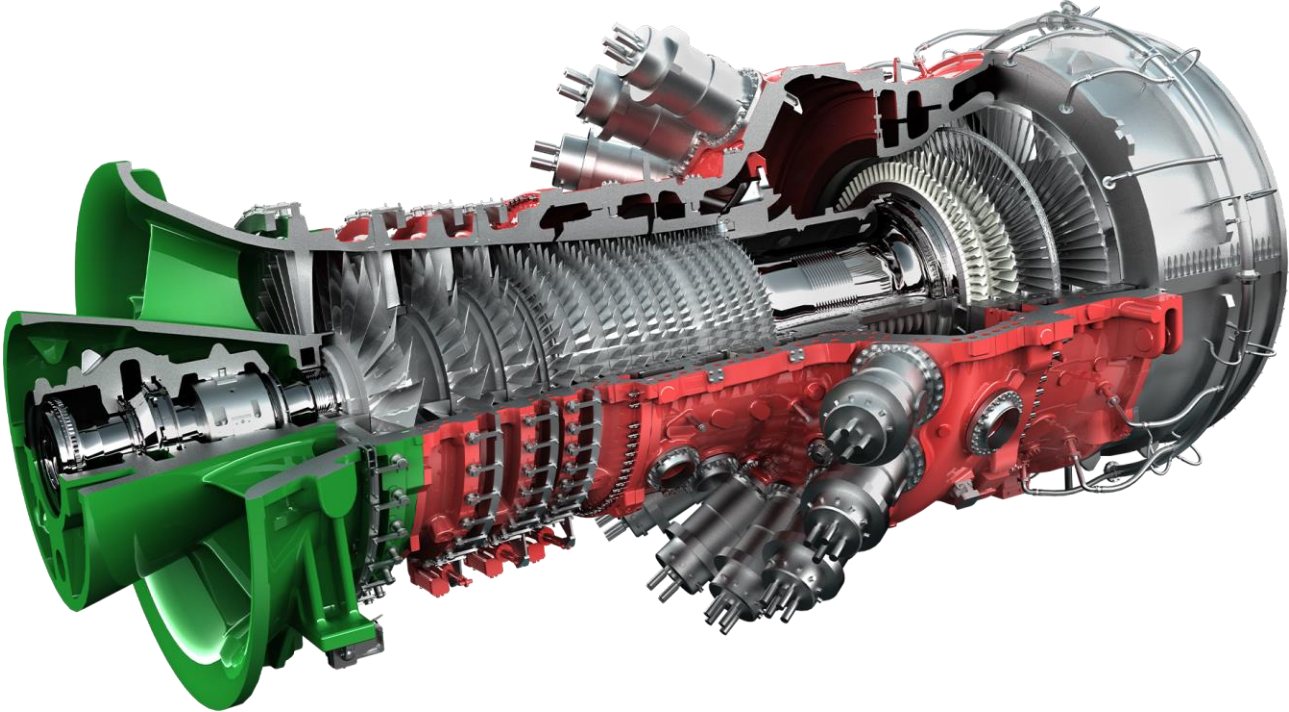
# How GT36 contributes to energy transition: Proven reliability



**GT36: reliable daily starts and stops**

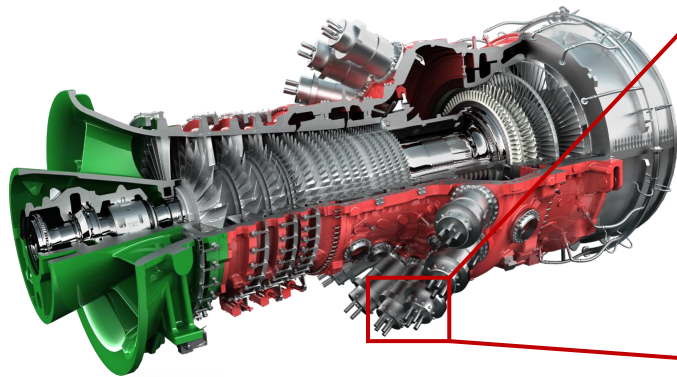


**The sequential combustor is the key to these features**

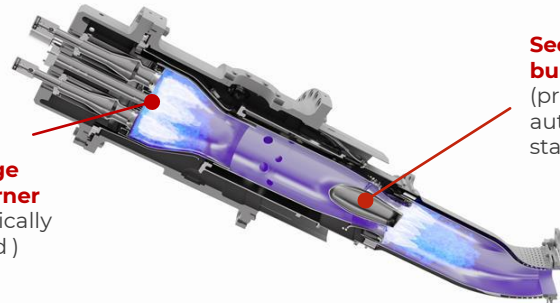


# The sequential combustor is the key to these features

Top class flexibility



**First stage  
premix burner**  
(aerodynamically  
stabilized )



**Sequential  
burner**  
(premixed,  
auto-ignition  
stabilized )

## Very high H<sub>2</sub> burn capability

Today **70%**

**100%** in the near future



# **Not Only GT36**

**Ansaldo Energia Current Portfolio for H<sub>2</sub> burning**

# Not Only GT36

## Ansaldo Energia Current Portfolio for H<sub>2</sub> burning

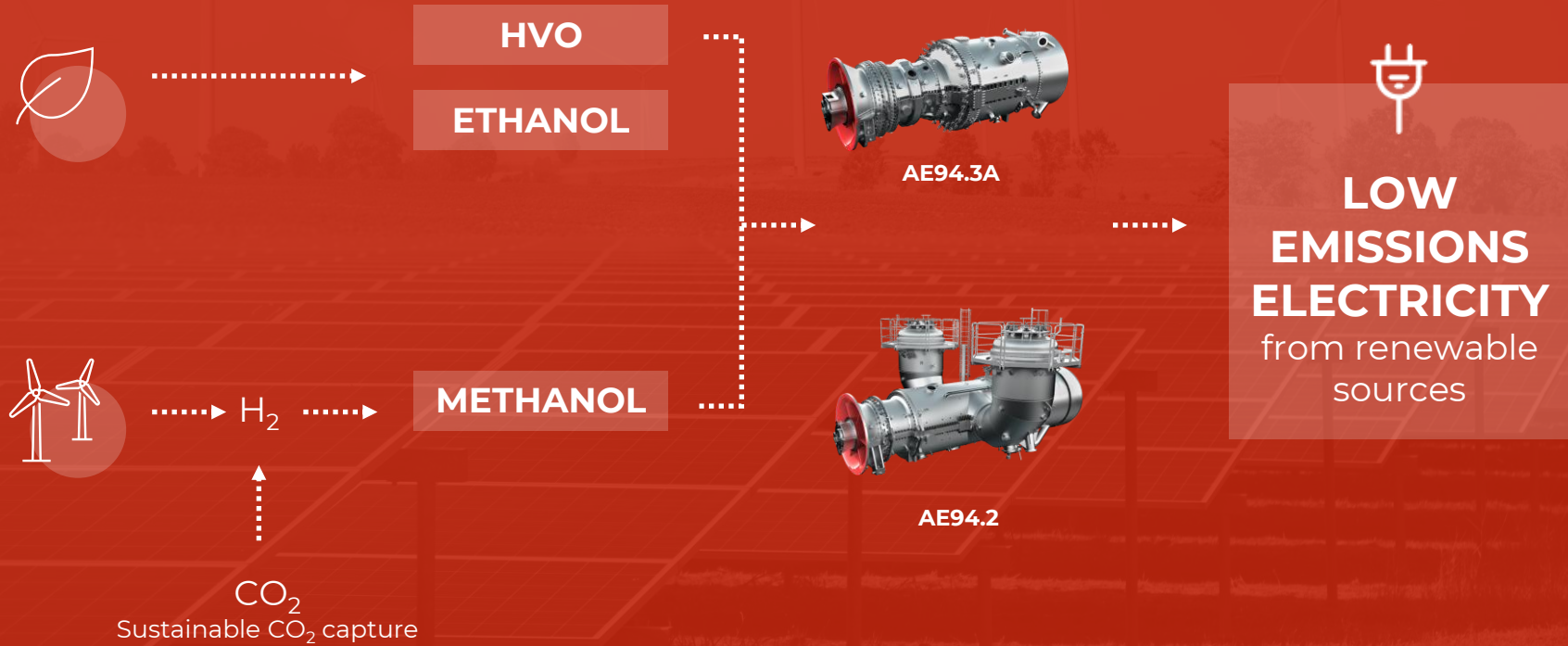
Gas Turbine	Current capability* H <sub>2</sub> in volume up to	Tested on rig
<b>GT36</b>	<b>70%</b>	<b>90%+</b>
<b>GT26</b>	<b>45%</b>	
<b>AE94.3A</b>	<b>40%</b>	<b>60%</b>
<b>AE94.2</b>	<b>40%</b>	
<b>AE64.3A</b>	<b>40%</b>	

\*Dry premix combustion,  
No dilution

Committed to reach  
**100% of H<sub>2</sub>**  
burning capability  
on all our fleet

# Not Only Hydrogen...

We are ready for all the liquid green fuel thanks to high fuel capability of our  
AE94.2/AE94.3A





# Experience and reliability on AE94.3A and AE94.2

**200+**

Units sold

**11+ Million**

Firing hours

**THANK YOU FOR YOUR ATTENTION**

**ansaldo** | energia