



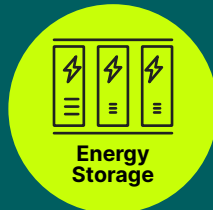
GE VERNOVA

# HYBRID ELECTRIC GAS TURBINE

Combining Energy Storage and Gas Turbines for the First Time



LM6000  
Gas Turbine



Energy  
Storage



Digital  
Controls

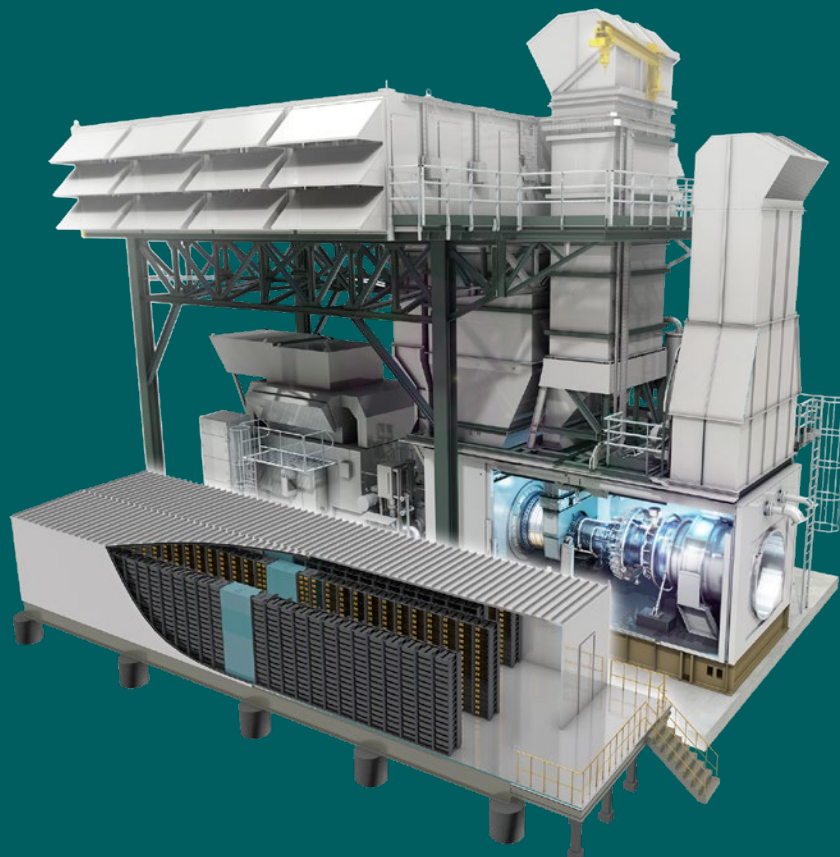
## Gas Turbine Offline

**10** MVA  
Reactive Voltage  
Support

**10** MW  
Primary Frequency  
Response

**50** MW  
Contingency  
Reserve

**0** MIN  
Start When Called  
to Generate



LM6000 Hybrid EGT

## Gas Turbine Online

**5** MIN  
Ramp to Full  
Power

**25** MW  
Reactive Voltage  
Support

**50** MW  
Flexible  
Capacity

**0** MIN  
Downtime  
Between Starts



### Reduced System Cost

- ↓ Cost to Ratepayer
- ↓ Fuel Use
- ↓ Lifecycle Costs



### Superior Hybrid Performance

- ↓ No Fuel Use for  
Grid Support
- ↓ No GHG Emissions  
for Grid Support
- ↓ Thermal Stress  
on Turbine



### Increased Utilization

- ↑ Contingency Reserve
- ↑ Voltage Support
- ↑ Frequency Response
- ↑ Black Start