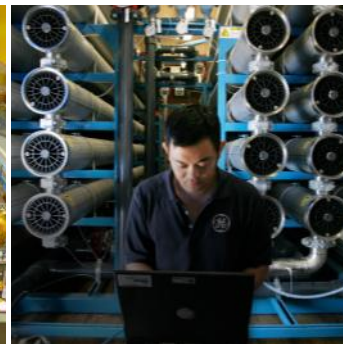


GE Power & Water

Perspective – GE, GEP&W, Technology Investment
Power Demand Growth – Drivers and Trends
Portfolio of Options – Wind, Nuclear, Solar ...
Essential Technologies – Materials, Aerodynamics ...



Lou J Cerone
Chief Engineering & General
Manager GE Power & Water



GE's portfolio ... structured for growth

- 8 businesses operating in more than **100** countries ... **125+** years
- **>300,000** employees worldwide **\$146B** in Revenue

**Power &
Water**
\$24.7B



Oil & Gas
\$17B



**Energy
Management**
\$7.6B



Aviation
\$21.9B



Healthcare
\$18.2B



Transportation
\$5.9B



**Home &
Business
Solutions**
\$8.3B



GE Capital
\$44.1B

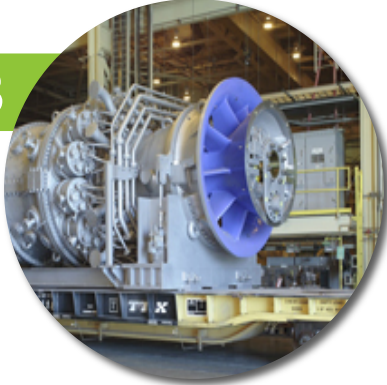


*After Corporate items and eliminations as they pertain to NBCU 2

Power & Water portfolio

~\$25B revenue >37,000 employees >120 countries

\$4B



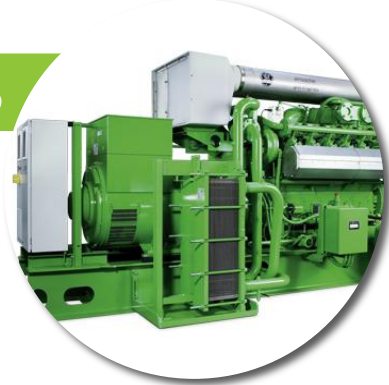
Power Gen Products

\$8B



Power Gen Services

\$6B



Distributed Power

\$5B



Renewables

\$2B



Water & Process Technologies

\$1B



Nuclear

Diverse Technology & Services Solutions ...
Over 1,000 GW installed globally



Global trends ...

Population



Consumption



Energy security



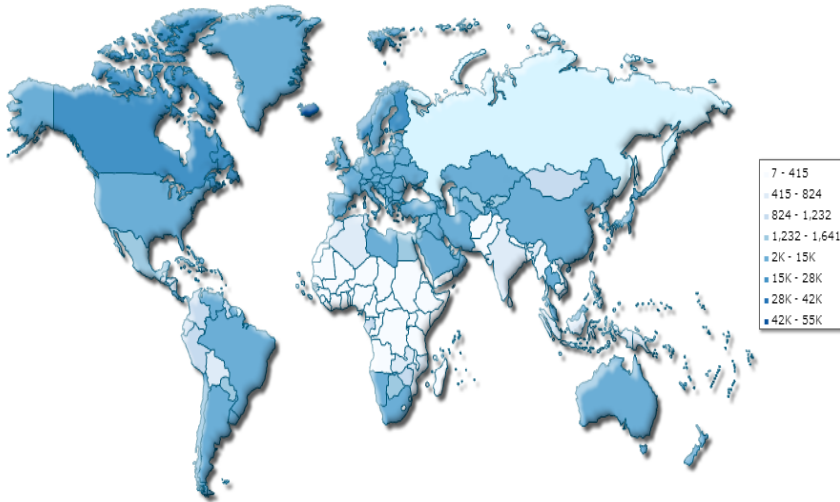
Environment



... Create big challenges



Powering the world now & for the future



The United States accounts for about 5% of the world's population, but consumes about 21% of the world's energy.

On the other hand...

- China accounts for about 20% of the world's population and consumes approximately 17% of the energy.
- India accounts for about 18% of the world's population and consumes just 4% of the energy.

Power demand growing

(Next 10 Years)

1
Billion More People

3
Million More MW of Capacity

\$5
Trillion on New Power Plants

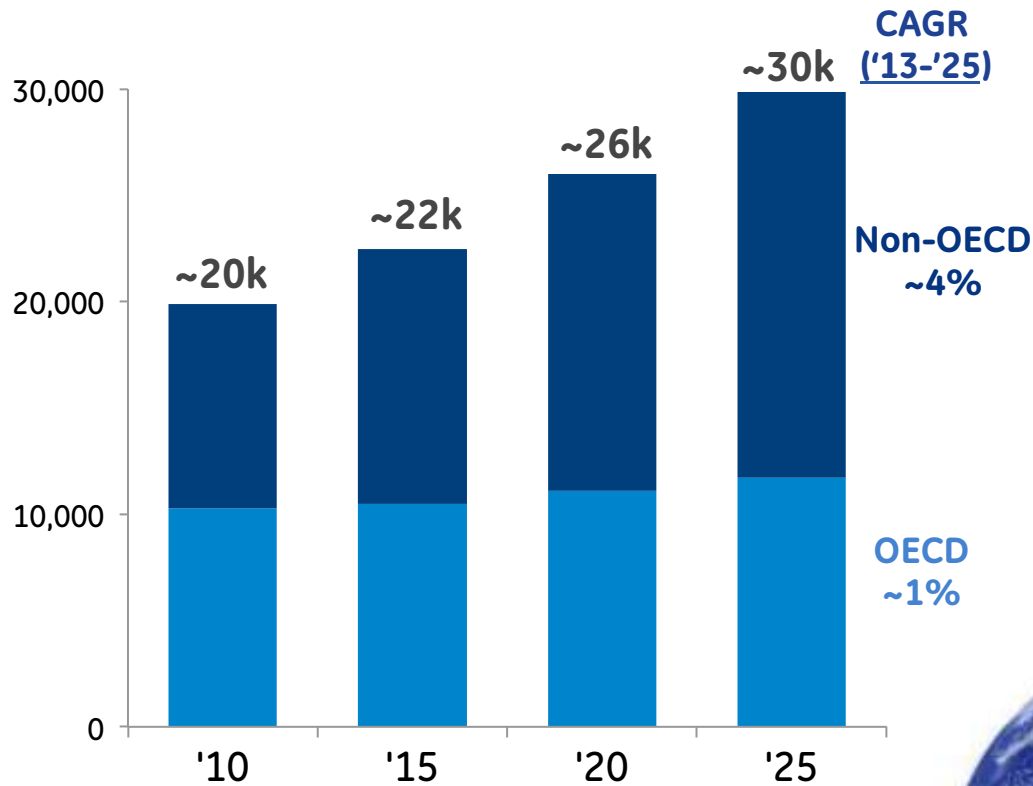
Fueling
\$124
Trillion Global Economic Growth



Growth centers are shifting

Electricity consumption

(TWh)



Developing economies

2x demand '10-'25

60% of global economy

~90% GW outside of N.A.

Non-OECD will account for +60% of global electricity consumption by 2025

Source: GE P&W estimates



Meeting big challenges ... with big solutions

Diverse



Nuclear
Coal
Gas
Wind
Oil
Geothermal
Biomass
Hydro
Solar



Efficient



Driving Cost of Electricity Down

Affordable, reliable & environmentally responsible



Trends shaping the landscape are regional ...

Gas Networks



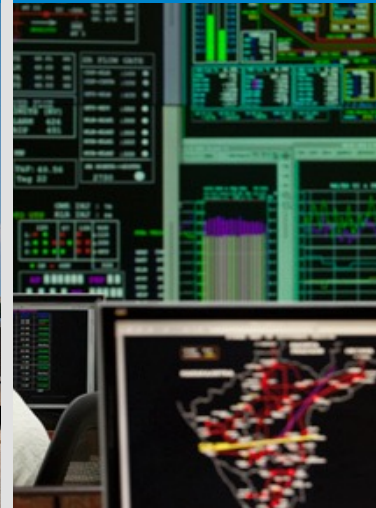
Mainstream Renewables



Decentralized Power



Brilliant Machines



Talent Development

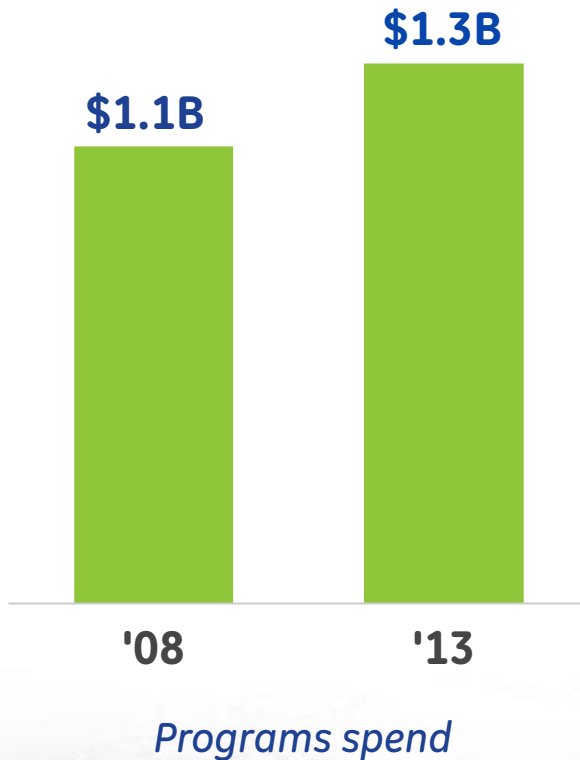


The outcome for lower COE and improved standard of living are same

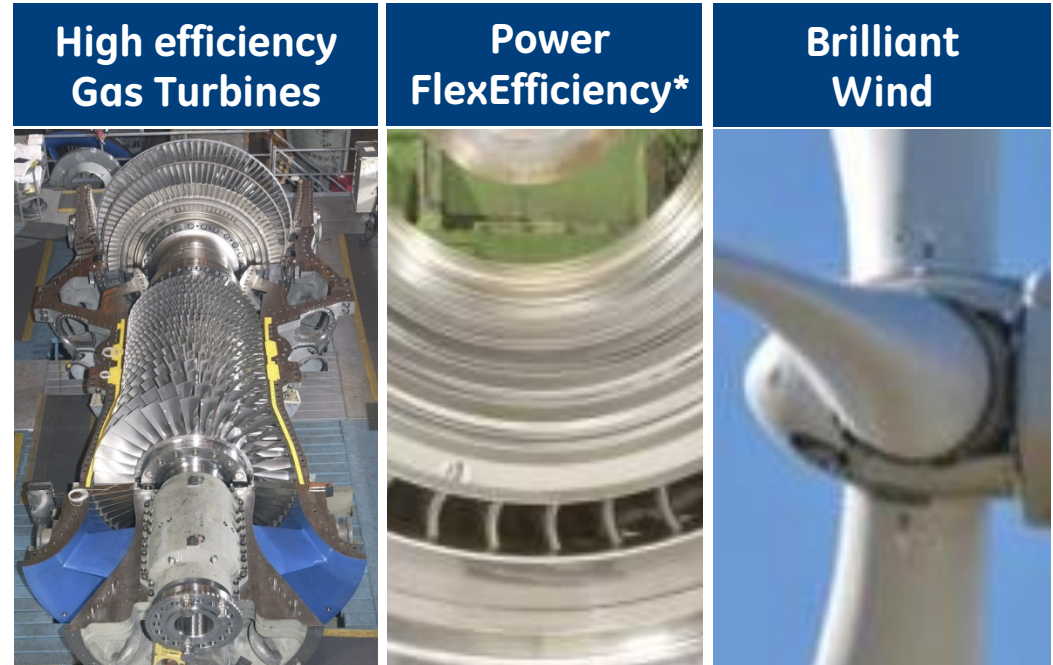


Technology investment

2X new patent filings

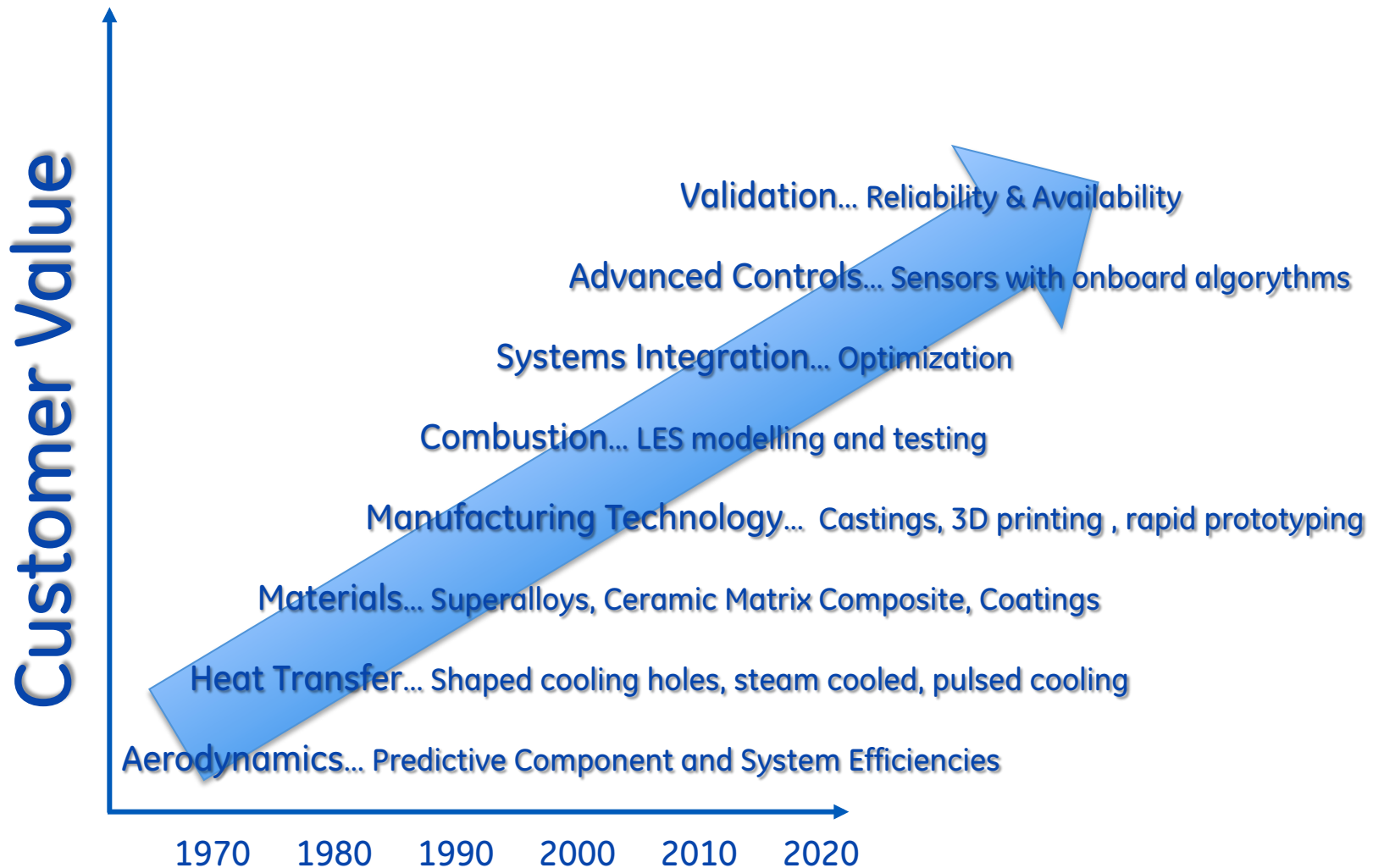


300 new launches



R&D investment ... Focused on Cost of Electricity Reduction

Required Essential Technologies



GE is looking for...

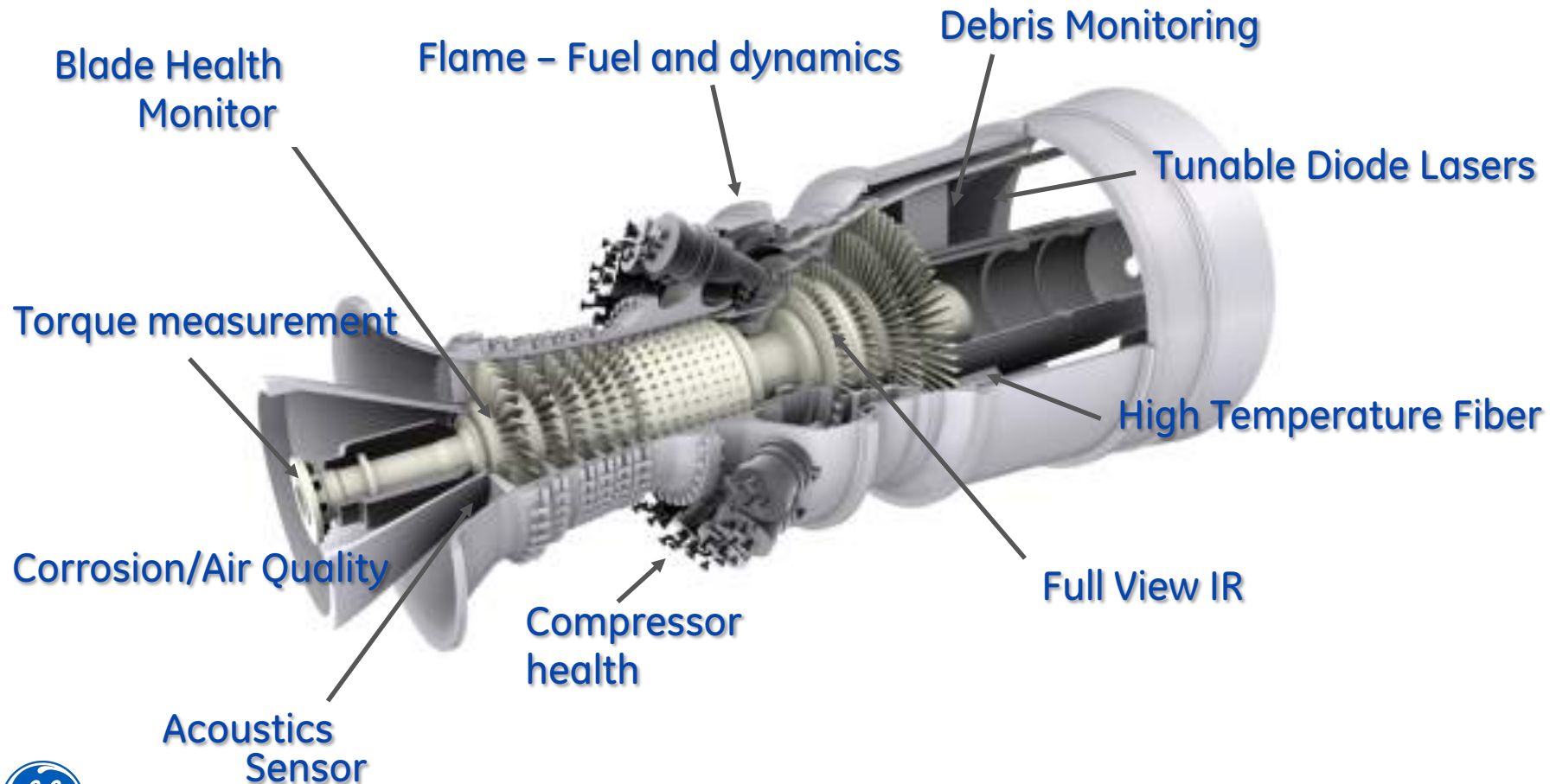
World class experts in:

- High temperature materials and coatings
- Combustion modeling
- Nanotechnology
- Heat transfer
- Systems engineering
- Mechanical design and analysis
- Fuels
- Aerodynamics
- Nuclear engineering
- Signal processing

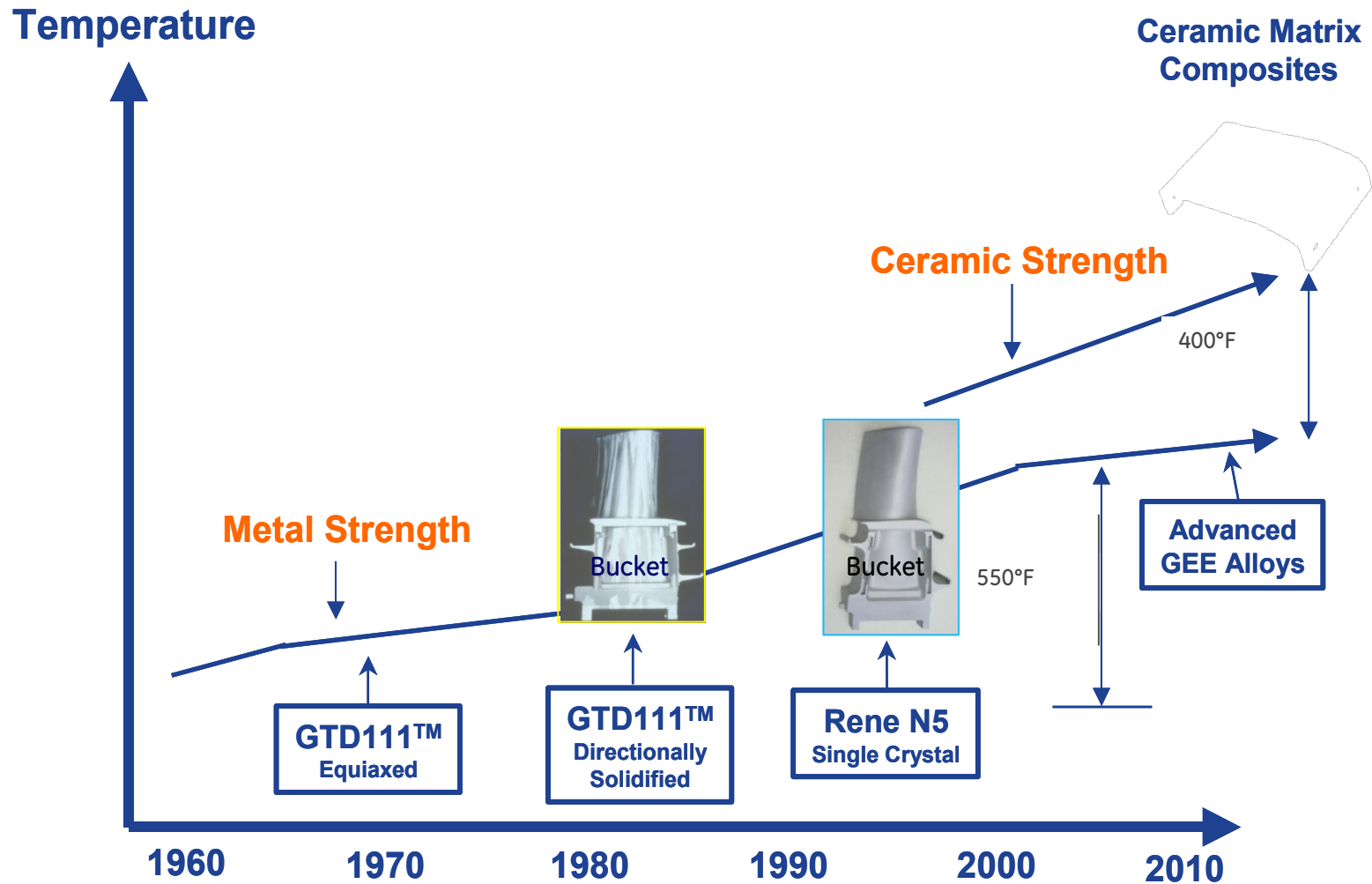


Sensors and algorithms to maximize GTC

- Performance: Enables component & system to approach entitlement
- Reliability: drives condition based maintenance & catastrophic failure prevention
- Health: provides more precise parts life consumption calculations



CMCs: 2+% combined cycle efficiency



Power & Water Strategy

**Differentiated
products & services**



**Leading
cost position**



**Expand
in power vertical**



Customer-focused culture

