Dragon Power
Turbine Product Benefits

Proven Benefits

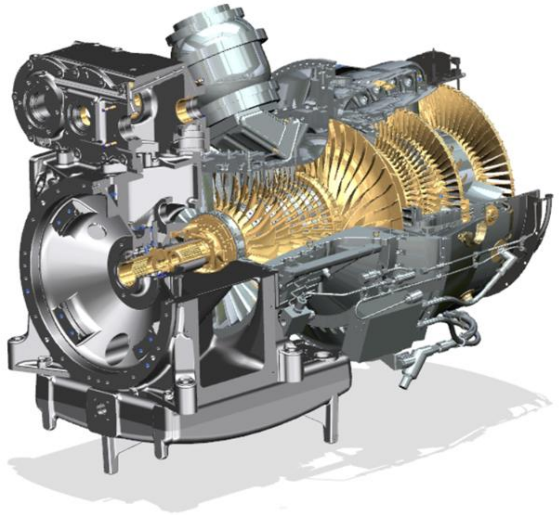
FUEL FLEXIBILITY
Dual fuel with 100% gas and 100% liquid operation, including wellhead and flare gas, etc. greatly reduces fuel costs, change over at up to full load

LOW MAINTENANCE FREQUENCY
Up to 60,000 equivalent hours between major inspections at the factory (30,000 hours for hydraulic fracturing application)

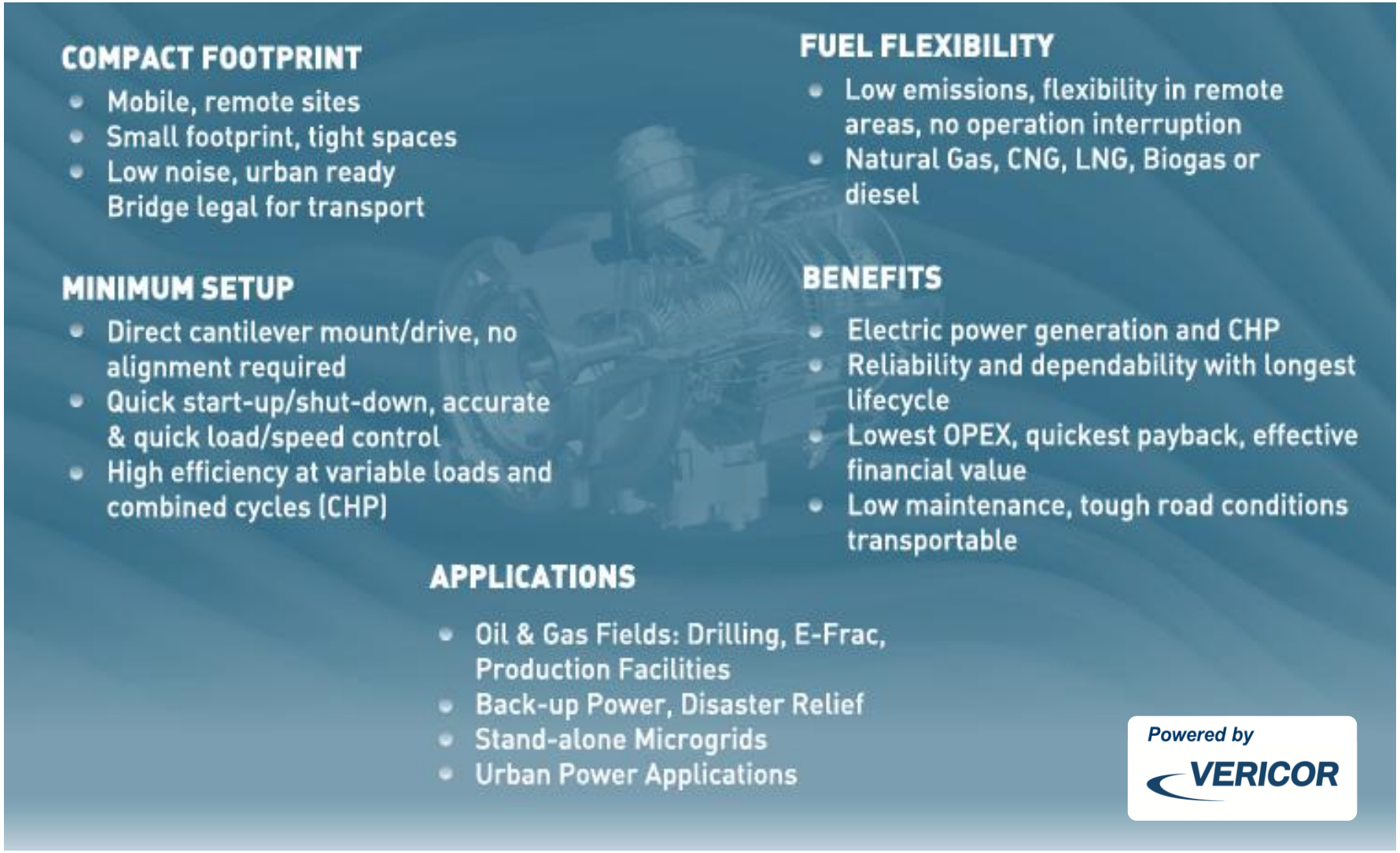
COST EFFECTIVE
Reduced CAPEX and life cycle cost savings approach 50% of comparable reciprocating engine cost and 35% of electric motors

HIGH RELIABILITY
Cold end drive design and optimum speed control for maximum reliability

ECO-FRIENDLY
Lower emissions and noise compared to reciprocating engines



Mobile Power Generation package



Americas 200+ Engines

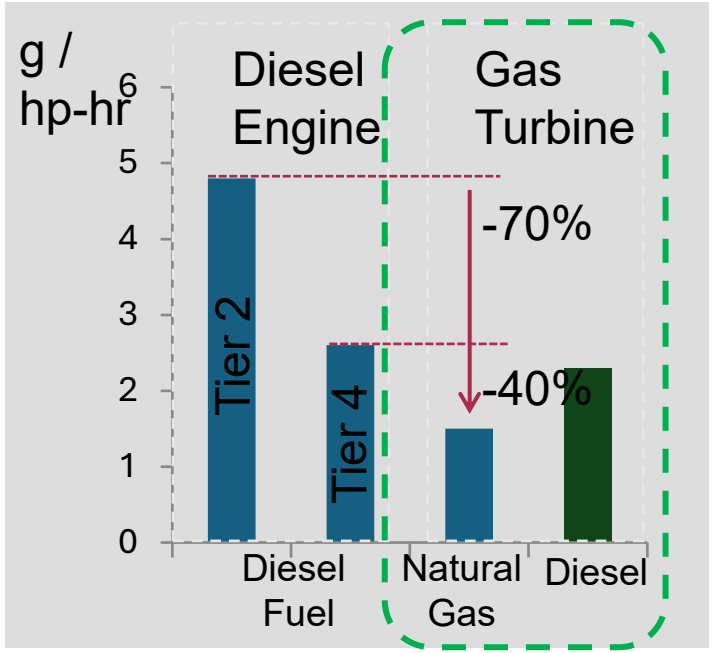
Europe 140+ Engines

Asia 210+ Engines

Total VPS Series Industrial Gas Turbine Engines in Service:
Over 600 worldwide…

Gas Turbine Natural Gas Emissions Below EPA Tier IV Required Limits

NOx



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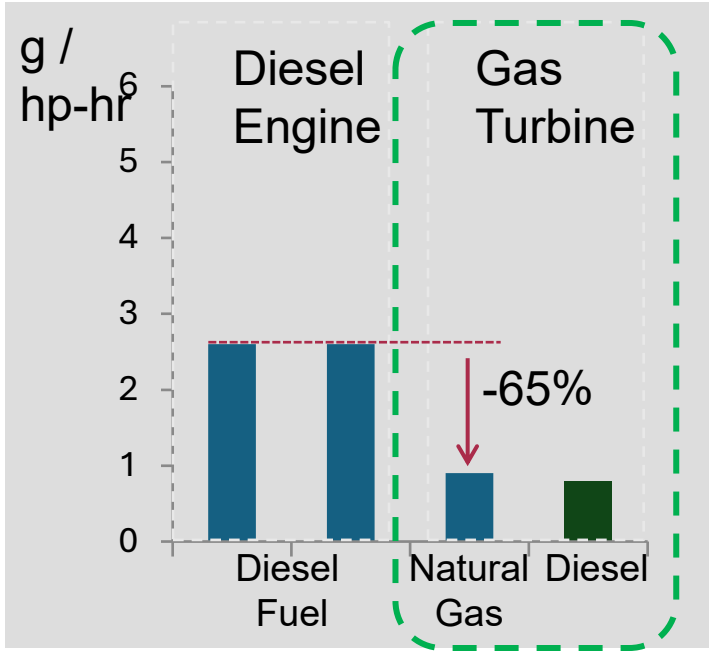
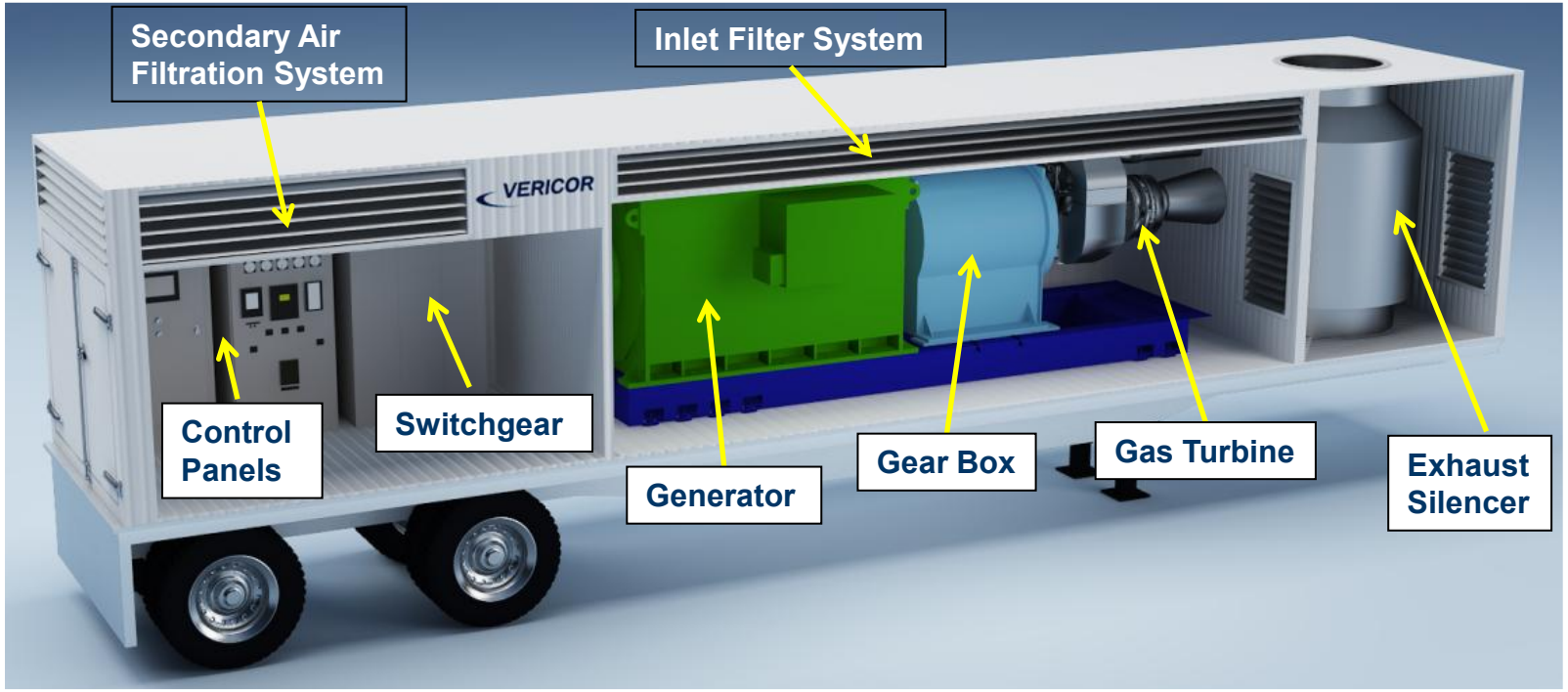


Tier IV

Higher diesel operating costs due to:

- Ultra Low Sulfur Diesel Fuel Required
- Diesel Particulate Filter Required
- Diesel Fluid for SCR Engines Required

The Complete Package is mounted on a Single Trailer



TURBINE GEN MODULE
- Enclosure full protection
- Cantilever mounted
- 85dB at 5' to 10'
- Air filtration system

AE50B TURBINE
- 8 stage compressor
- 4 turbine stages
- **Free spool turbine**
- **Cold or hot start**

REDUCTION GEAR
- Epicyclic
- 98.8% Efficiency
- 16.000
- Oil-cooled

GENERATOR
- 13,800V, 4375KVA 96.8% Efficiency
- Protection/Cooling - IP23/IC01
- Sleeve bearings

Description	Diesel Engine	TF50F Gas Turbine	Comments
Horsepower	**2,250 or 2,500 shp**	**5,000 shp**	2x the HP of a traditional diesel engine
Fuel flexibility	100% diesel, 80/20 bi-fuel	100% diesel or 100% natural gas / field gas	Significant fuel cost savings with natural gas
Portability	**Over the road permits**	**No special permits required**	Significant lower weight and footprint saves on transportation cost
Emissions	EPA tier 2 and tier 4	65% lower	Below EPA tier IV levels
Noise levels	**104 to 108 dba**	**78 to 90 dba**	With noise attenuation
Cold start capability	Oil, fuel and coolant heaters required below 32F	To -20F with heated diesel fuel (not required for gas fuel	Reliable GT cold weather starting
Avg. maintenance costs per hhp/yr	**~ 120 $**	**~ 60 $**	assumes operation of 3.000 hrs./yr.; 7 year operations