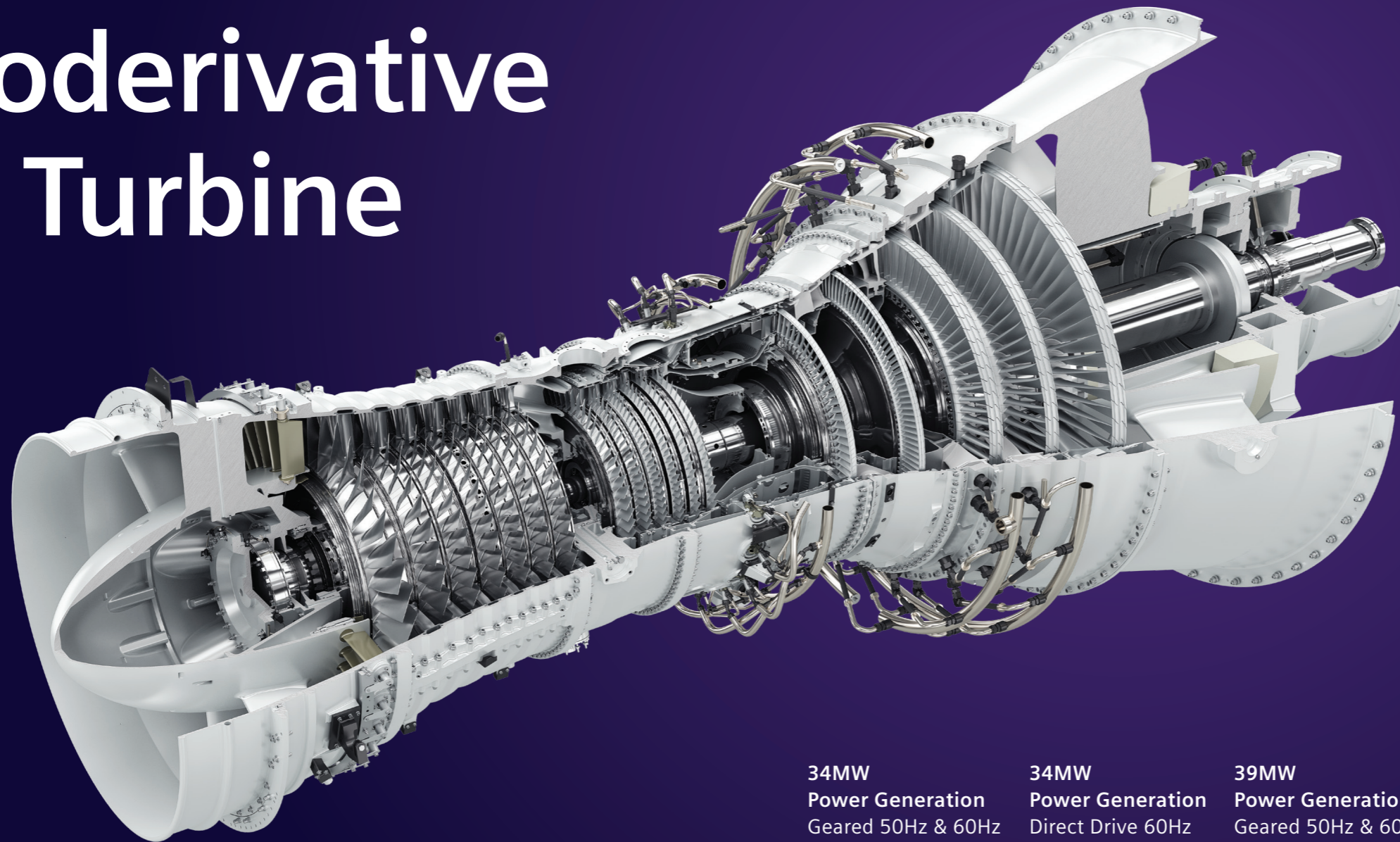


SGT-A35 Aeroderivative Gas Turbine

SIEMENS
ENERGY



Capable to burn hydrogen:

15% DLE

100% WLE

% by volume, WLE with water injection

	34MW Power Generation Geared 50Hz & 60Hz		34MW Power Generation Direct Drive 60Hz		39MW Power Generation Geared 50Hz & 60Hz	34MW Mechanical Drive		39MW Mechanical Drive
	Non-DLE	DLE	Non-DLE	DLE	Non-DLE	Non-DLE	DLE	Non-DLE
Power (MWe)	34.5	33.7	34.5	32.2	38.1	35.8	34.9	39.5
Efficiency (%)	39.4	39.1	38.0	37.8	40.5	40.8	40.5	42.0
Heat rate (kJ/kW-hr)	9,137	9,199	9,476	9,529	8,881	8,820	8,880	8,572
Turbine speed (RPM)	4,850	4,850	3,600	3,600	4,850	4,850	4,850	4,850
Pressure ratio	23.0:1	22.4:1	23.6:1	22.3:1	24.5:1	23.0:1	22.4:1	24.6:1
Exhaust mass flow (kg/s)	99.2	97.8	101.0	98.1	105.4	99.2	97.8	105.4
Exhaust mass temperature (C)	485.5	486.5	506.1	493.8	483.5	485.5	486.5	483.5

NOTE: All performance values are gross nominal (power generation) or shaft nominal (mechanical drive), based on standard design, uninstalled at ISO ambient conditions, with high-methane natural gas fuel.

SGT-A35
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