S7 CORE UPGRADE

Product Description

The S7 core logic upgrade incorporates all current Software Action Requests (SARs) for LM6000 PC engines.

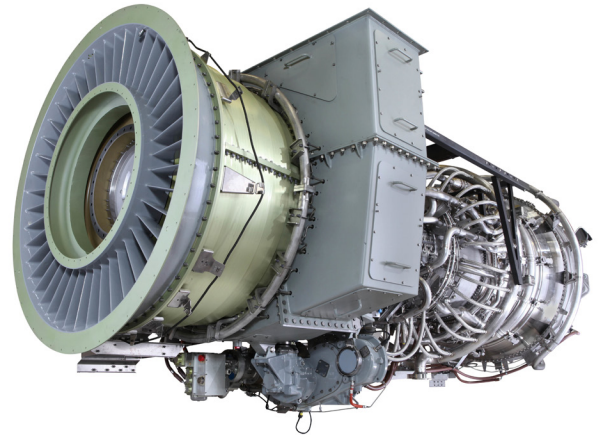Upgrade also includes all S6 benefits:

- SPRINT® Logic optimization and Variable SPRINT® added.
- Improved SPRINT® enabling.
- NOx water control improvements.
- T3 and T48 logic revisions.

The S7 core upgrades are:

- Long term PFC solution added (hardware upgrades required).
- Fast start capability, see Fast Start Upgrade page for full benefits.
- Maximum power is predicted realtime for both SPRINT® and non-SPRINT® operation.
- NOx and SPRINT® logic optimized further.
- T25 Sensor compensation for SPRINT®. Better behavior in extreme transient conditions.
- N25 MAX Scheduling bias correction.

Customer Value

- Allows temporary overload of 2 MW, improving engine response to grid fluctuations.
- PFC operating according to grid requirements and maximizing power output.
- Better NOx control.
- More robust flame out detection during start up, range expanded to N25 > 500 rpm, reducing risk of hung starts and improves false flame out detection.
- Reduced turbine trips help increase plant revenue and efficiency.
- False alarms reduced and major alarm logic revision.
- More developed frequency control algorithms to meet requirements from many different grid authorities.

Applicable Units			
LM6000	✓	LM2500	
LMS100		LM5000	
LM1600		TM2500	

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To learn more about this product and its applicability to your gas turbine, please contact your GE Vernova Gas Power sales representative.