



VSV REMOTE MONITORING

Product Description

- The Variable Stator Vane (VSV) is part of the High Pressure Compressor (HPC) assembly and thus difficult to access.
- A Linear Variable Differential Transducer (LVDT) system can be installed allowing remote monitoring of Variable Stator Vanes (VSV) positions.
- The LVDT will be mounted on the Compressor Front Frame (CFF) at approximately the 9 o'clock position.
- LVDT is mechanically connected to the VSV union ring by a pin and a clevis arrangement.
- Union ring movement will send a signal back to the operator through the LVDT.

Installation will include:

- LVDT transducer and hardware.
- Remote signal conditioner and hardware.
- Cable between signal conditioner and LVDT.
- Modified control system and HMI screen software.

Applicable Units			
LM6000		LM2500	✓
LMS100		LM5000	
LM1600		TM2500	

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

Customer Value

- VSV is present to maximize efficiency over a wide range of air speeds.
- Proper monitoring of VSV position with LVDT allows the VSV to function more efficiently.
- LVDT position allows remote monitoring and accurate position of VSV to be known at all times.
- LVDT signal can be used for data or alarm processing.