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.

**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.

**Applicable Units:**

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<tr>
<th>LM6000</th>
<th>LM2500</th>
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<tbody>
<tr>
<td>LMS100</td>
<td>LMS5000</td>
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<td>LM1600</td>
<td>TM2500</td>
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