

Data Systems Performance Engineering LLC I/O Device Services

- Investigate I/O field device problems (transmitters, Resistance Temperature Device – RTD's, thermocouples, motor starters, variable frequency drives, etc)and control system device problems (analog inputs and outputs, digital inputs and outputs, etc.). Issues investigated would include instability of measurements, incorrect measurements on calibrated equipment, high MTBF rate.
- Document findings
- Recommend fixes to include loop isolators, transient suppressors, regrounding of I/O devices, replacement of I/O devices, twisted pair-shielded cable, etc.
- Implementation of recommendations
- Verification of proper installation of recommended fixes; measurement of corrections to verify effectiveness of fixes.
- Intrinsically safe and non-incendive design of control system to field device wiring