NI-DAQ with "Versatile Trigger Unit PI608"

- **Challenge:** Monitoring blade vibration and engine speed on ABB turbo chargers.

  - Replacing outdated equipment and providing new signal conditioning features.
  - Creating reliable digital trigger signals out of any analog proximity sensor signal.
  - Optimizing processing power.
  - Providing a platform independent trigger conditioning solution.
  - Handling sensor signals disturbed by noise and interferences in a harsh industrial environment.
  - Ensuring that the efficient use of any NI-DAQ is made easy.

- **Result:** This modular state of the art monitoring system covers all needs for flexible lab and field measurements.

- **NI Hardware and Software used:**
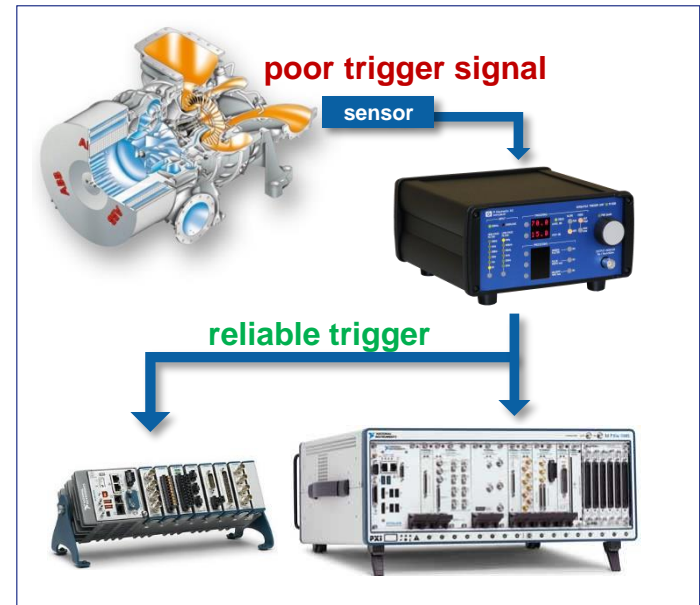 cDAQ, cRIO and PXI with LabVIEW

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poor trigger signal
sensor
reliable trigger

"Any common proximity sensor can be used as a reliable trigger source for any National Instruments data acquisition platform."

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