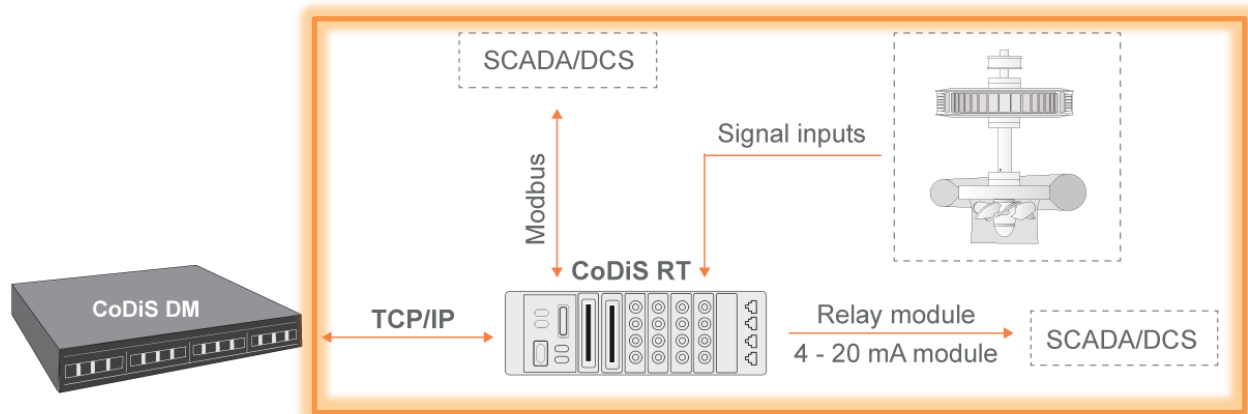


# CODIS RT - REAL TIME PROTECTION

**CoDiS RT** is on-line monitoring and protection instrument for rotating machinery.

**CoDiS RT** is designed to runs continuously, and is based on CompactRIO processing with Real time OS environment. The RT module is responsible to calculate, in real time, all essential parameters and set the alarm and warning conditions for protective purposes. This module runs 24/7 and is a base of CoDiS monitoring system.

**CoDiS RT** also exchanges data with DCS or SCADA using standard industrial protocols (Modbus, Profibus).



## CoDiS RT = Flexibility

Easy re-configuration of measuring channels and custom tailored analysis.

## CoDiS RT = Accuracy

Top performance acquisition modules allow high quality measurement resolution and accuracy

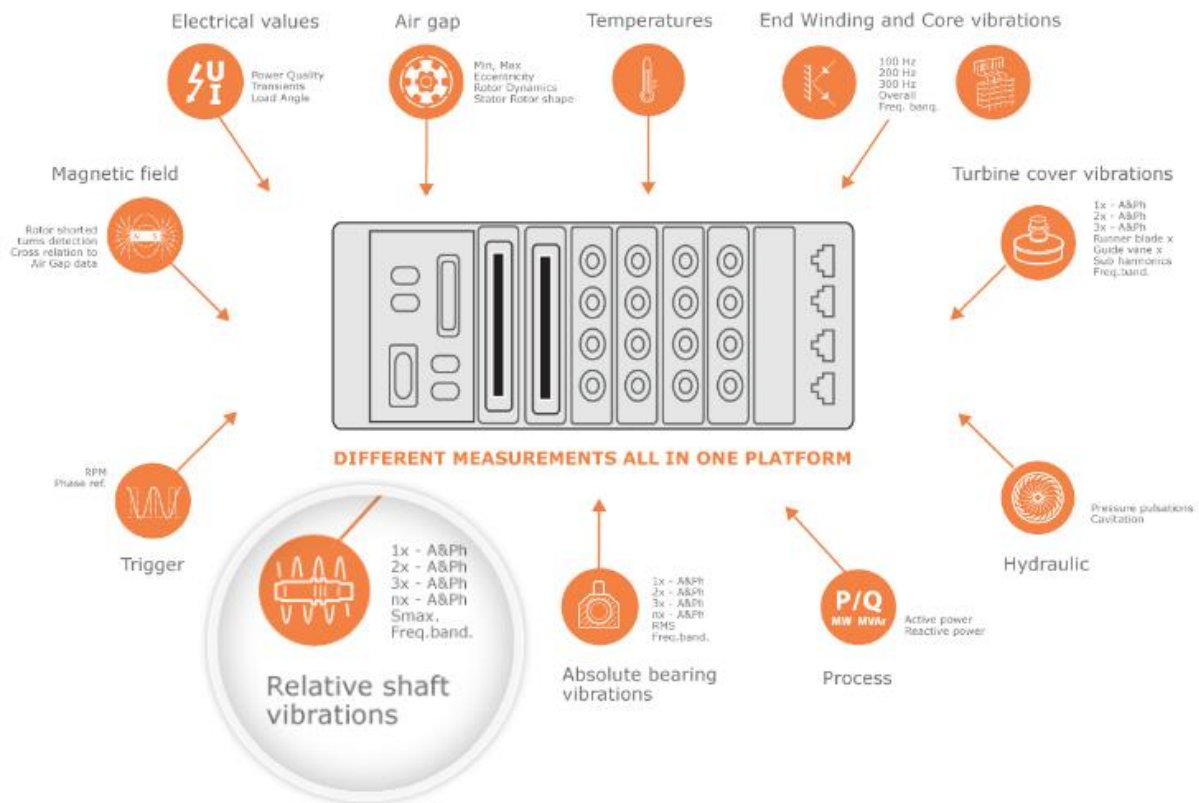
## CoDiS RT = Intelligence

Powerful processing power that allows complex on-line signal analysis and smart protection setup



# CODIS RT - REAL TIME PROTECTION

**All in one platform** - FPGA/RT processing allows simultaneous acquisition, analysis and diagnostics of different measurements



## Technical data:

**Processor:** Intel class processor with Linux RT OS, Xilinx FPGA

**Ports:** SDHC, 2xGigabit Ethernet, 2xUSB, 2xserial

**Main features:** Real time data processing, alarming, local data storage (up to 4 weeks), Modbus support, embedded user interface

**Supported modules:** By default; NI-9220, NI-9230, NI-9482, NI-9265, NI-9264.

Optionally supports any NI C-series module.

**Analog Input:** Voltage range 10V/30V; sampling rate up to 102 kS/s/channel; 16 or 24 bits

**Relays:** Switching signals up to 60 VDC (1 A) or 250 Vrms (1.5 A)

**Analog Outputs:** 4-20mA/ 0-10V

**Power supply:** 24V DC/redundant