



Monitoring task:

Motors and pumps of a power station.

In total 16 pairs of pumps plus motor.

Every motor and every pump is monitored by one Safety Monitor module SM-610-A04.

Sensors used:

Displacement sensors

- Motor:
 - 4 sensors for radial vibration measurement (2 X/-Y sensors for the driven end and 2 X/-Y sensors for the non-driven end)
 - 1 sensor for trigger input
- Pump:
 - 4 sensors for radial vibration measurement (2 X/-Y sensors for the driven end and 2 X/-Y sensors for the non-driven end)
 - 2 sensors for axial position

- Radial vibration / X-Y measurements and axial positions are monitored
- Limit violation is signaled via relays with freely configurable logic.
(For example: For the radial vibrations 2oo4 (2 out of 4 logic) for Danger alarm of the X/-Y sensors.)
- ISO filters are used for all measurements.
- DC outputs are assigned to all measurements.

Why choose Safety Monitor module SM-610-A04?

- Freely configurable measurements
- Freely configurable voting logic
- Freely assignable DC outputs
- Master/trigger function
- Trip Multiplying available and can be combined with voting logic