

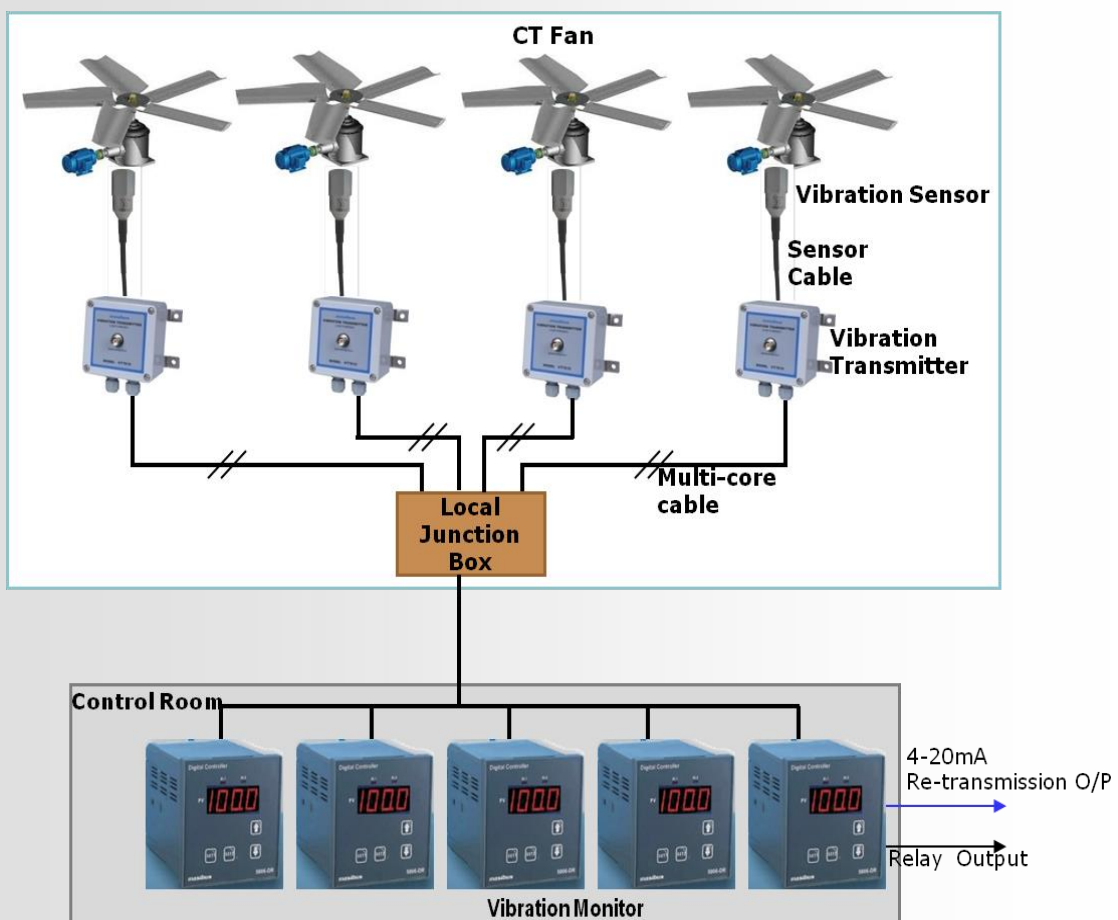


Vibration Monitoring System of CT Fan Gear Box

MASIBUS offered Design, Testing, Supply and Commissioning of Online Gear Box Vibration Monitoring System for Cooling Tower Fan of Power Plants

Opportunity

The Vibration Monitoring System required to monitor the CT fan gearbox vibration as well as generated alarm/trip contact and 4-20mA retransmission output.



Solution

The system comprises of Online Vibration Monitoring System, Vibration Sensor, Masibus Vibration Transmitter VT7S10 and Vibration Display Unit 5006.

Masibus provides complete solution of Vibration monitoring System. Vibration sensors mounted on gearbox, Vibration Transmitter installed near CT Fan reads input from accelerometer and gives 4-20mA and buffered output for analysis in field. Micro controller based Vibration Monitor offered at CT fan control room for monitoring and control.

Benefits

- Improved Overall efficiency by increasing machine uptime
- Improved safety by decreasing the risk of machine failure
- Continuous machine health information allows predictive maintenance, avoiding and limiting machine damage
- Reduced capital costs by extending machine service life
- Decreased machine servicing cost by repairing or replacing those part which are damaged or worn out
- Decreased machine repair costs by recognizing problems before they cause serious damage
- Reduced machine downtime by allowing machines to be maintained while in service
- Reduced risk of unplanned shutdowns by allowing scheduled maintenance to coincide with production requirements
- Periodic monitoring minimizes or eliminates catastrophic machinery failures



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