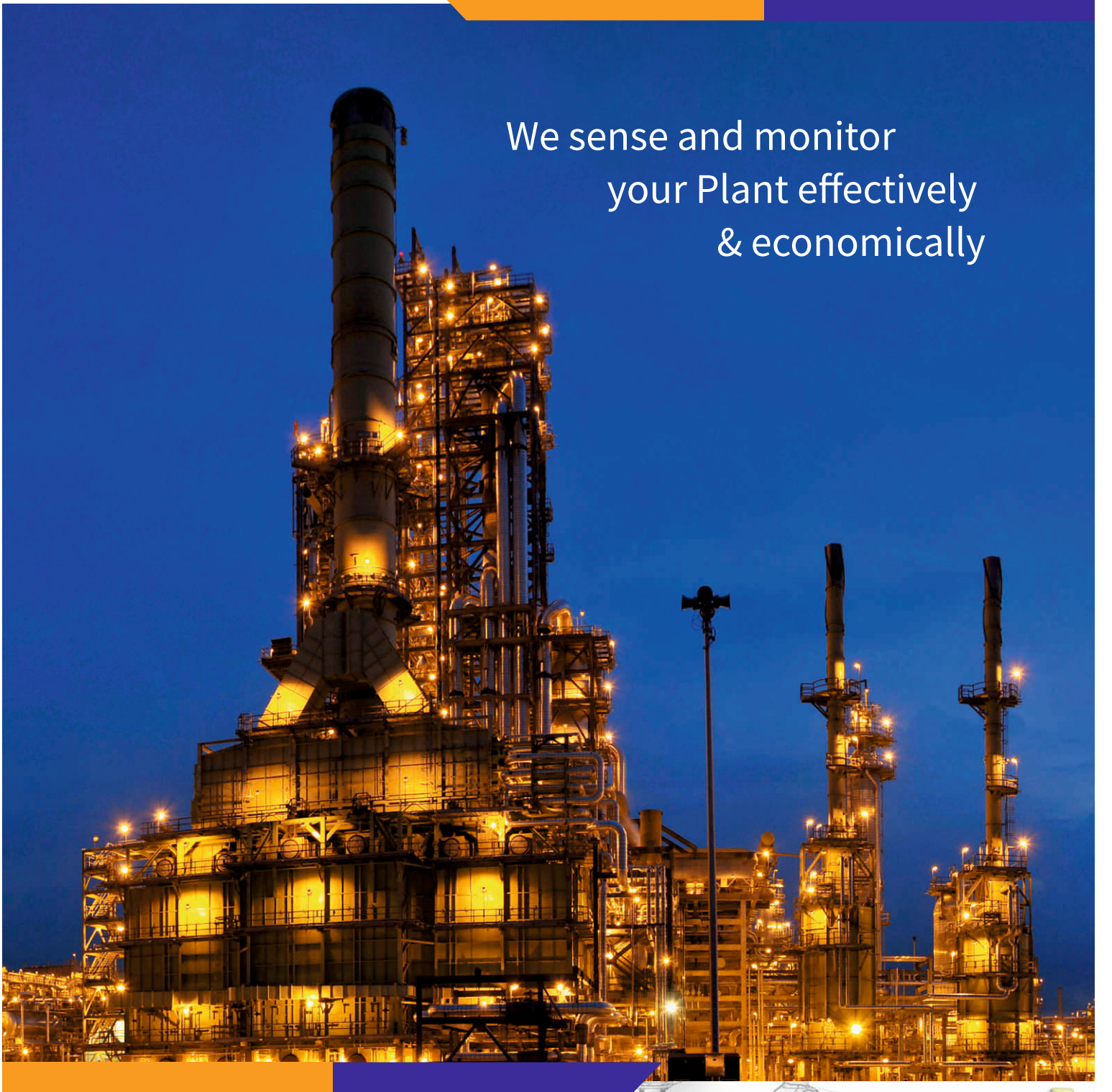
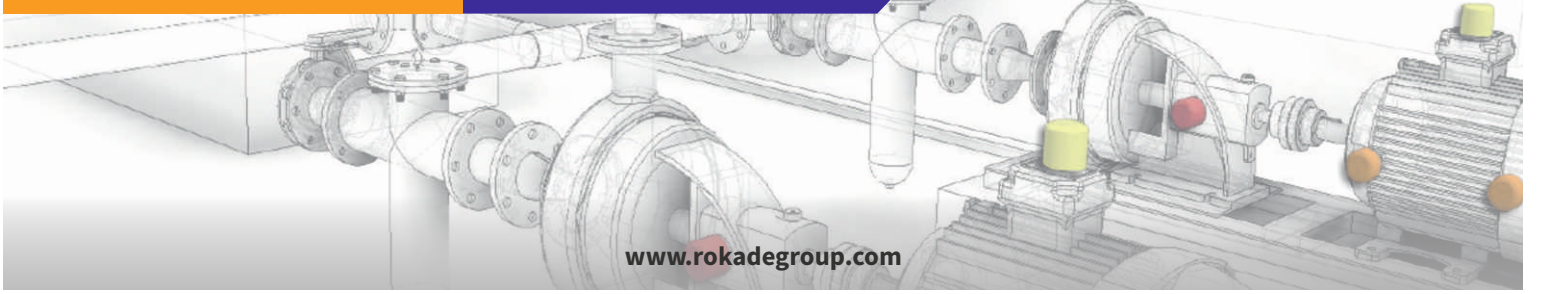
ROKADE™

ROKADE RoTek India Pvt. Ltd.

Vibration Monitoring Systems





www.rokadegroup.com

COMPANY PROFILE

ROKADE GROUP OF COMPANIES has been one of the leaders, providing Vibration Consultancy, On-site Balancing, Laser Shaft Alignment and In-House Dynamic Balancing Services for numerous Clients from almost all Sectors, both in India and abroad. We have installed world class Dynamic Balancing Machines of various Models to meet varied needs of the Customers.

By virtue of being in the field, we also understood the rudiments of the Customers' needs and pulse of their requirements for trouble free running of Plants, we have thought of manufacturing the most technologically advanced and economically viable Vibration Monitoring Systems, and Dynamic Balancing Machines with software imported from abroad, as well as we are exclusive channel partner in India for Erbessd Instruments USA for Wireless Condition Monitoring System & Motion Amplification Software.

Also, we are marketing Machine Protection System API 670 complaint of World's leading manufacturer for critical Industrial Assets.

Any sudden Machine Breakdown can play havoc with Plant running and resultant Production Losses. In this highly competitive world, no one can even imagine this situation to arise, that too after investing heavily on Plant & Machinery.

Regular Machine check and effective Predictive Maintenance almost eliminate such a scenario. Therefore, Installation of a more Technologically Advanced Health Monitoring Unit makes sense & worthwhile.

We design, manufacture, supply, install and commission Vibration Monitoring Systems backed by most advanced technology, to meet each Customer's needs:

OVERVIEW

Rotating machinery is the heart of any Plant. It is very essential to run a machine at high efficiency without any trouble. The deterioration in the efficiency of rotating machines cannot be predicted, but with the help of the Online Vibration Monitoring and Analysis System, this can be properly judged.

Vibration Monitoring System, applied in an industrial or maintenance environment aims to reduce maintenance costs and equipment downtime by early detection of the fault. Vibration monitoring system is a key component of condition monitoring program and is often referred to as Predictive Maintenance of the rotating equipment.

We sense and monitor your Plant effectively & economically.

Vibration monitoring devices use Accelerometers to measure changes in amplitude, frequency, and intensity of forces that damage rotating equipment. Studying vibration measurements allows teams to discover **imbalance, looseness, misalignment, structural looseness or bearing wear** in equipment prior to failure.

Applications

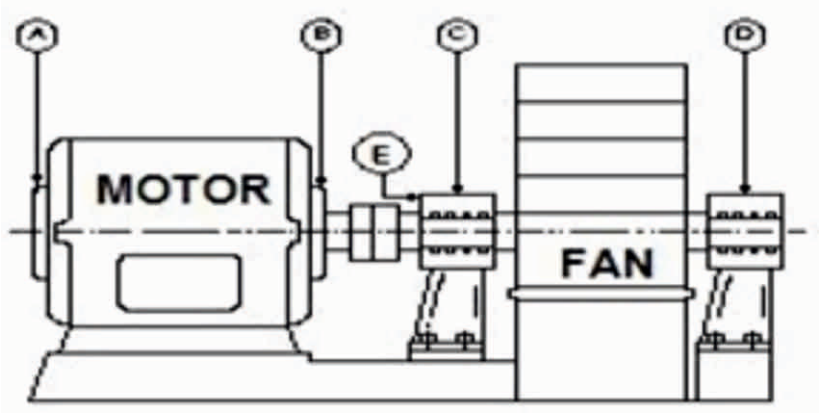
- Hydro Turbine
- Power Generation
- Oil & Gas
- Turbo Machinery
- Automotive
- Pulp & Paper
- Mill Monitoring
- Steam turbines
- Industrial gas turbines
- Aeroderivative gas turbines
- Reciprocating compressors
- Centrifugal compressors
- Axial compressors
- Screw compressors
- Gears
- Turbo-expanders
- Horizontal and vertical centrifugal pumps
- Reciprocating pumps
- Electric motors
- Generators
- Fans
- Blowers
- Agitators
- Mixers
- Centrifuges
- Pulp refiners
- Ball mills

VIBRATION MONITORING SYSTEM (Wired)

Vibration Transmitters are used for overall vibration measurement on Rotating Machinery. Our line of 4-20 mA vibration transmitters will interface directly to your **PLC, DCS or SCADA** control system.

Key Features

- Continuous vibration monitoring
- Low installation costs
- Simple integration with PLC or DCS
- Robust compact design
- 4-20mA output
- Conforms to ISO 10816-3
- Serial Modbus Interface



Sensor Cable Assembly

Cable, Teflon 2 core (high Temperature up to 220^{0}C), shielded, XX m length, with stainless steel flexible conduit, Mil 2 Pin connector (for 2 wire AC sensor) and pin type lugs at free end.

SITE CHALLENGES:

Our Transmitters display the vibration values continuously and the reasons for this fluctuation could be following:

- Unbalance
- Misalignment
- Bad bearings
- Mechanical looseness
- Aerodynamic forces

SENSOR TYPES

ACCELEROMETERS

We use precision Accelerometers to measure vibration, shock, acceleration, and motion for monitoring, control, and testing applications. ICP®, PE, MEMS.

Capacitance sensing technologies are used to fulfill a wide assortment of measurement requirements. Single axis and three axis (triaxial) accelerometer.

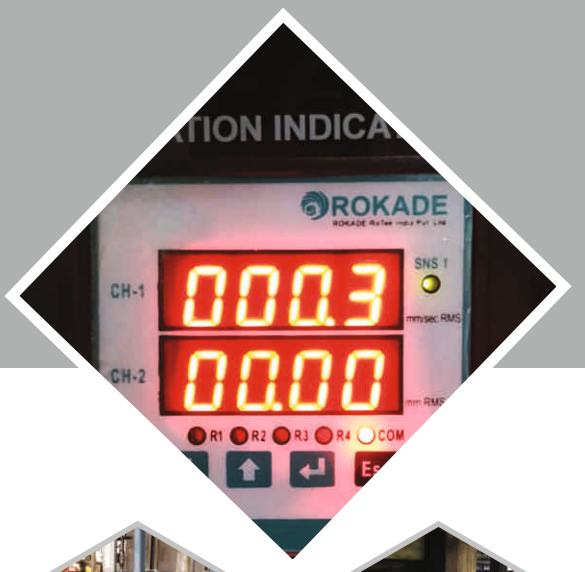
TEMPERATURE RTD

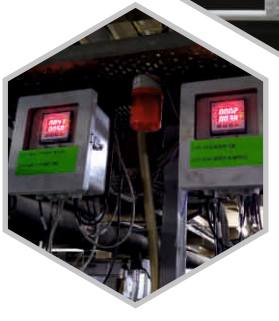
Resistance Temperature Detector (RTD) measures in a wide range of industrial applications of varies temperature range and can be connected to our Vibration Transmitters.

EDDY CURRENT PROXIMITY PROBE (SHAFT DISPLACEMENT SENSOR)

Eddy-current transducers that are used for measuring Shaft Vibration, Axial Position, Rotating Speed and Phase Mark (Phase Reference) from small rotating machinery to large critical machinery such as turbines and compressors in plants.

OUR PROJECTS :





OUR PRESENCE

OUR BRANCHES:

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Opp. Oswal Park, 2nd Pokharan Road,
Thane (W) - 400 601, (M.S)
Tel.: 022 - 21737777 / 49247777

Mumbai
4 / A Wing, Bharat Indl Estate,
Off. Lake Road, Opp. Hind Rectifier Co.,
Bhandup (W), Mumbai – 400 078 (M.S)
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Our Representatives :

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HYDERABAD | KOLKATA | RAIPUR | VISAKHAPATNAM

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