Condition Monitoring in Industries

PSG College of Technology offers a comprehensive condition monitoring services with latest technology.

1. **Air Leak / Gas Leak:**
   Using **Ultra Sound Technology** we identify the air/gas leak and quantamise the leak. Our case studies reveal 30% - 40% of energy is wasted in the form of leak in most of the Industries. Apart from saving precious gas consumption cost, it is strongly established that air is not free and lots of KWh energy can be saved by identifying and arresting leaks.

2. **Steam Leak**
   Steam costs approximately Rs.1000/- per ton, and the leak in steam leads to lot of wastage of energy. The ultra sound technology detects the quantum of leak and identifies the cost of energy that could be saved. Performance of steam trap can also be analyzed.

3. **Electrical Defects**
   The ultra sound technology identifies the existence of problems in Electrical Structured yards, H.T panels and L.T panels without direct contacts or opening panel boards. This is supported by thermograph to pinpoint the defective locations.

4. **Vibration Analysis**
   The high precession CNC equipment and motors can be scanned using our vibration analysers which analyses the existing vibration. The technology also identifies greasing and bearing problems.

5. **Energy Audit**
   We offer comprehensive energy audit and identify the areas where energy can be saved. We identify harmonic issues and provide mitigation solution
6. **Our Annualised condition Monitoring Study**

We at PSG offer a compressive annual package, in which our team will thoroughly check the industry parameter for faults and provide schedule for preventive maintenance of plans. Apart from ensuring safety, we provide technical support for improvement of production, with cost cutting measures.

7. **Calibration**

We provide a full fledged calibration services for industries with pressure & temperature calibration. Calibration of thermo couples and pressure monitoring can be done easily with the equipments available with us.

*Out future addition*

We will soon introduce air particle analysers, which aids in maintaining air quality and a safe occupant atmosphere.

**Costing**

While PSG wishes to offer the Energy Audit and Condition Monitoring Solution at free of cost, we charge nominal service charges to take care of our logistic needs and remunerative needs to our audit assistants. This cost will hardly be 1-2% of the energy cost that could be saved.

We request you to join with us to save Energy and reduce your production cost.
We are proud to provide condition monitoring services to following prestigious clients.

1. M/s SRF Limited., Chennai
2. M/s Hyundai Motors, Chennai
3. M/s Hydro Carbon Ltd., Chennai
4. M/s ZF wind power Systems Ltd, Coimbatore
5. M/s Saradha Terry Products (P) Ltd, Coimbatore
6. M/s Laurel Apparels, Tirupur
7. M/s PSG Foundries, Coimbatore
8. M/s PSG Hospitals, Coimbatore
9. M/s Malliya Hospitals, Bangalore
10. M/s Chirayu Medical College Hospitals, Bhopal
11. M/s Taj Group of Hotels, Ooty
12. M/s TEKIC Complex, Tirupur

For further details and demo audit contact:

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