

Condition Monitoring service & analysis

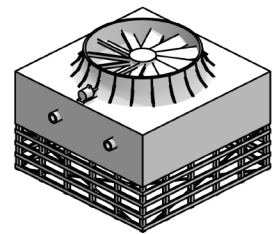
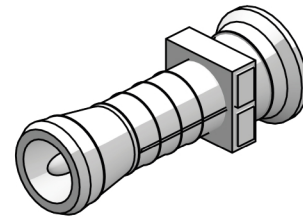
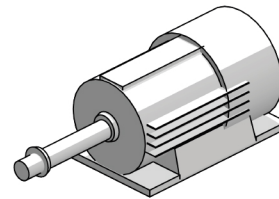
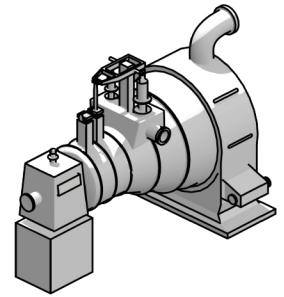
Istec provides condition monitoring services to rotating machinery by collecting and analyzing data, leading to well-founded advice, while enabling a predictive maintenance policy.



What to expect?

Implementing a condition monitoring system and utilizing our high-end rotating equipment services, come with many advantages to your rotating machinery.

- Prevent unplanned machine stops
- Avoid unnecessary overhauls
- Ability to plan maintenance
- Avoid costly consequential damage
- Minimize downtime
- Maximize machine lifetime



Rotating equipment

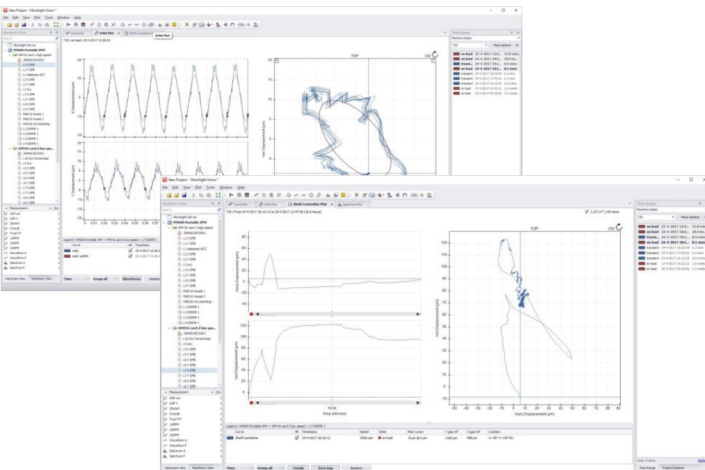
We are specialised in condition monitoring services for a variety of rotating machinery:

- Gas turbines (land-based)
- Gas turbines (aeroderivative)
- Steam turbines
- Fans on cooling towers
- Generators
- Centrifugal pumps
- Gear boxes

Your rotating expert

Istec offers decades of worldwide experience in the field of rotating equipment. We provide brand-independent services to rotating equipment manufacturers, service providers and end users.

We offer customer-specific measurement programs using preventive and predictive maintenance methods, both offline and online, to monitor the condition of your machinery and provide accurate diagnostics. Moreover, we offer troubleshooting service to eliminate existing problems by identifying the root cause.



Report & advice

Based on the data a detailed report featuring data-analyses, conclusions and the corresponding maintenance advice is provided.

The advice can differ from simple corrective actions to the replacement of machinery (parts). Common problems include imbalance, bearing damage, worn or broken gears and alignment problems.

Every advice is substantiated by the data-analyses, such as spectrum analyses, trend analyses and orbits. Maintenance measures will be followed-up to determine whether the desired results have emerged.

Certified specialists

Our team consists of highly educated specialists and certified with ISO 18436-2 CAT 3 or ISO 18436-2 CAT 4.

Periodic, online or remote?



"When setting up a measurement program, different options can be implemented. Istec offers periodic, online and remote condition monitoring. These can be tailored to the customer preferences, and can also be combined. "

Sander Bakker - Condition Monitoring Specialist (ISO 18436-2 CAT 4)



Periodic

Periodic measurements provide insights in vibration changes within rotating machinery. By measuring periodically with a fixed interval, a vibration trend is created. This trend and the corresponding data analysis will then reveal possible causes of the changes, followed by advice for corrective measures.



Online

Online measurement refers to continuous monitoring of machinery. The online monitoring system generates data on the most critical moments, such as run up and run down. Data is collected during normal operation and critical changes. Any deviation can be read from the data, which allows the user to react adequately.



Remote

We offer remote data analysis, either through the use of the present monitoring system or by delivering and installing one. Measurements and analysis can be performed without disturbing your organization. By pre-setting alarm levels any flaws will be picked up by our specialists, followed by an advice or, if required, on-site attendance.

Why Istec?

+ High quality

In everything we do, we go for the highest possible quality.

+ Highly educated

Our highly certified, ISO 18436-2 level 3 and 4, vibration consultants reflect our years of experience concerning rotating equipment service.

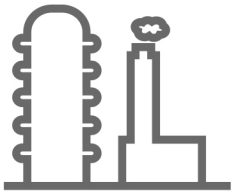
+ Fast service

We aim for great service, quick deliveries and short response times.

+ Very accessible

Istec is easily approachable and enables direct contact with the specialists. We solve your problems fast, adequately and with the highest possible service level.

Our main industries



Petrochemical



Chemical



Energy



Bulk solids

Contact

Do you have a question about our products or services? Feel free to contact us. Our specialists are ready to help you.

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