Semapi Cloud Services

Rotating equipment condition maintenance software developed through the cloud.

Based on an IoT platform (Cloud), it was developed to allow the continuous management of measuring devices and control of plant equipment, regardless of the physical location where this measuring equipment is located.

Be one step ahead of your machines by using vibration monitoring technology based on DSP Machinery Control management software and tools to monitor them continuously.

No matter how hard it is to access your equipment, you can now observe the performance of your machines and fix any issues that arise, no matter where you are.

SEMAPI's vibration monitoring solutions range from simple motor-driven pumps to critical turbomachine vibration parameters and data collection on a variety of vibration characteristics, which allows a deeper investigation of the machines being monitored.

Our cloud-based vibration monitoring systems can even identify whether your machine is working properly. These systems are easy to use and configure.

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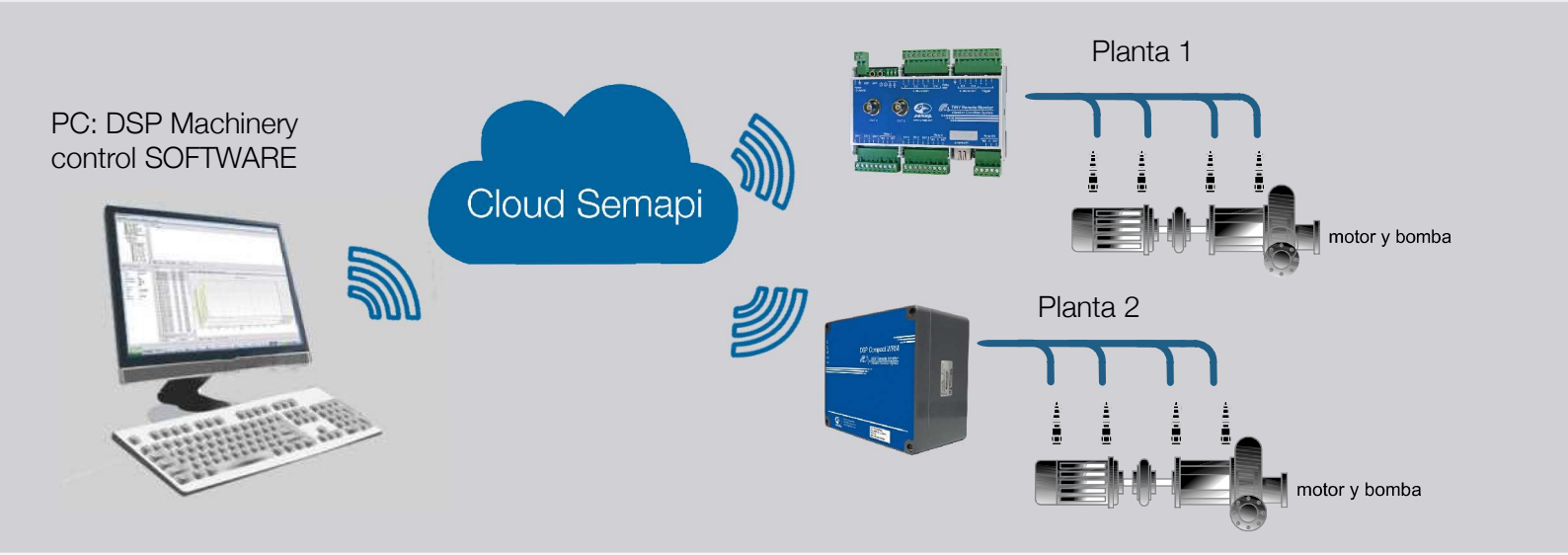
How does this system work?

Vibration monitoring is performed as part of condition monitoring, a preventive maintenance approach in which we regularly review the machine to detect minor failures and report them before they become major problems causing a quality deficiency in the process or the risk of equipment breakage.

When using cloud-based vibration monitoring systems, detected vibration measurements are sent directly to a SEMAPI server on the Internet, from where trained analysts, the assistance of AI (artificial intelligence) algorithms and using DSP Machinery Control software can monitor and verify the machine status. As a result, we provide machine data in real time, allowing you to see the current state of the machine. This data is also stored and any variation in variable values will alert the user.



Benefits of cloud-based vibration monitoring system

* Unplanned failures are reduced or can be eliminated.
* Downtime is reduced, allowing the plant to run longer without breakdowns.
* Extends the operating life of machine components and the life of equipment.
* Lower stock costs, as stops can be planned well in advance.
* Cloud-based vibration analysis is an ongoing procedure that does not require stopping or dismantling machines to identify their performance (except when installing monitoring equipment).
* Planned repairs allow you to spend more time finding areas where machine performance and energy efficiency can be improved.
* Early detection of equipment failures can improve overall safety and reduce workplace risks.

www.semapi.com

SEMAPI Central
Las Heras 419
Campana (B2804GTC)
Bs. As., Argentina
Tel: (54) 03489-431111
Fax: (54) 03489-426661
ventas@semapi.com.ar

SUS ENGINEERING LLC
4861 n Dixie Hwy suite 207
Oakland Park,FL. 33334
USA
(786)-236-5593
usa@semapi.com

SUS ENGINEERING North
315 S 40th St
Boulder, CO 80305
USA
Ph/What's App:
+1(720)998-1133

TÜVRheinland CERTIFIED
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