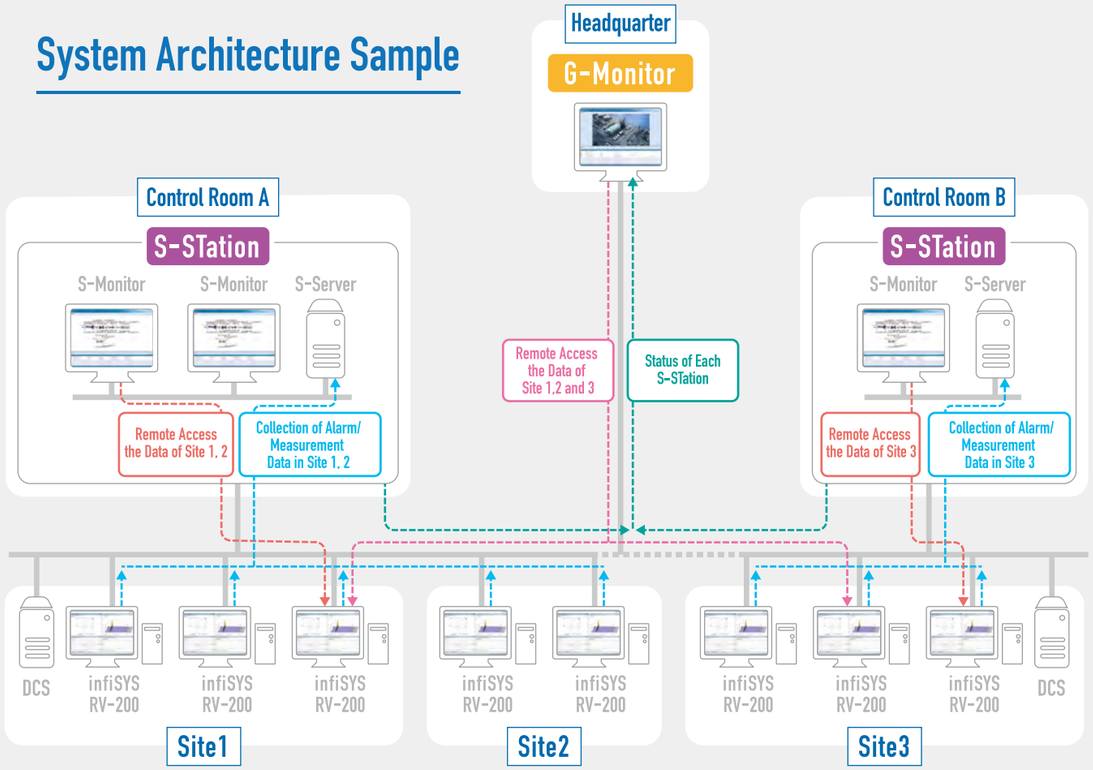
System Architecture Sample



G-Monitor can monitor up to 10 S-STations with each of them can be connected to up to 30 infiSYS view stations.

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CMS Condition Monitoring System

Integrated Monitoring Platform

S-STation

An integrated platform for monitoring distributed rotating machine conditions

S-STation

SHINKAWA

Access to vibration related problems in real-time around the globe just from your office!

Looking for this? Let's make it a reality!

- Get alerted when an abnormal vibration condition is caught.
- Monitor multiple plants from one place.
- Let vibration experts easily diagnose the machine status anytime, anywhere.

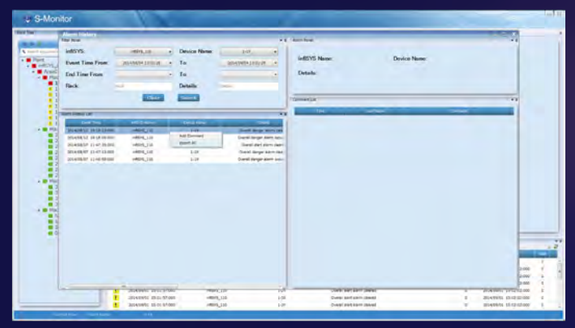
The key to make it possible –
Integrated monitoring capability of rotating machines playing as core roles of each plant

Vibration analysis needs not only trend data but also dynamic vibration information as well as large-volume waveform data. These data are collected and stored in each infiSYS RV-200, the vibration analysis and diagnostic system in the plants scattered in areas far from each other. It becomes unrealistic if you want to analyze these data by sending them to a remote centralized database that requires a good communication environment and an expensive operating infrastructure.

S-STation treats the issue by collecting in realtime only necessary information such as alarm and event messages from infiSYS. Whenever an infiSYS catches an abnormal vibration condition, an alarm message will be sent to S-STation and shown in S-Monitor or G-Monitor. If it is a complicated vibration issue, it can be analyzed and diagosed by a vibration expert remotely based on the data stored in that infiSYS.

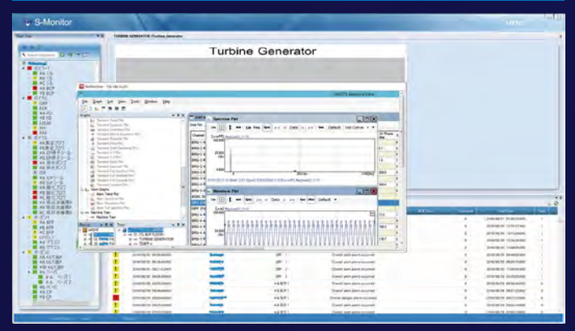
Four major functionalities that S-STation can assist to achieve the reality

Alarm monitoring functionality



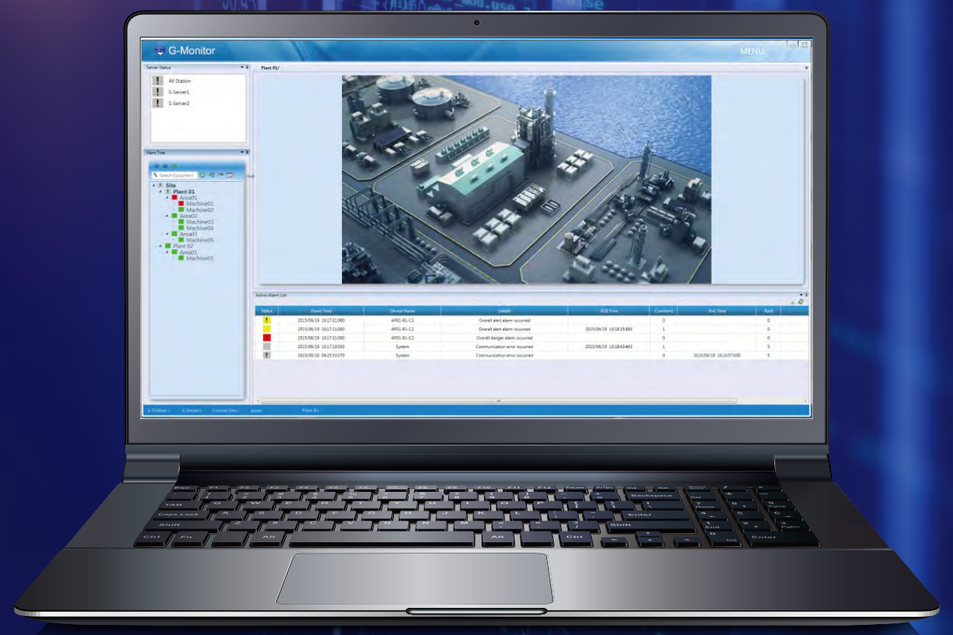
Monitoring alarm status from all connected infiSYS. The alarm messages and comments added by operators are stored and managed in the database of S-STation.

Remote access and operation functionality



Remote access and operation capability makes it possible to implement vibration analysis and diagnosis in realtime by accessing the on-site infiSYS from a remote place. *

*NoMachine Enterprise Desktop is required.

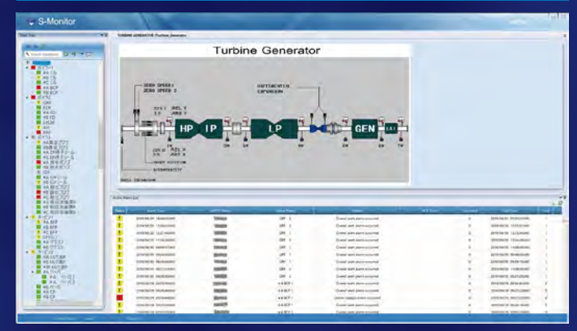


▲ S-STation display sample

Trend display functionality

Trend display of vibration data from multiple infiSYS RV-200s makes it easier for comparing vibration conditions of different machines, or that of the same machine of different time period.

Measurement data and graphic display functionality



Vibration and process data from infiSYS, or process data via OPC server. *

*S-Editor software package is required for graphic display editing.