

Connected Chillers

Protecting operations during the COVID-19 pandemic



Challenge

Chillers are the most critical HVAC asset of a facility. Any failure or downtime of chillers impacts all downstream HVAC devices, including AHU and VAV serving the zone. Replacing the chiller would take 3-6 weeks, which would impact the operations of the facility. Remote connectivity established through a BAS, which reads the limited chiller controller data, does not give a full view of chiller faults. The connected chillers, with comprehensive trend and alarm monitoring and an advanced FDD rule engine, provides performance tracking at all times and ensures minimal chiller downtime.

Solutions

- Status codes alarms like safety, warning and cyclic codes can be viewed remotely.
- Alarm notifications to be sent across to the field via SMS and/or email.
- Critical operating parameters and loading conditions are analyzed remotely for making recommendations to the field.
- Trends and alarm reports readily available for analysis any time for remote inspection.
- Advanced rule engines detect early machine faults such as condenser or evaporator tube fouling, low refrigerant charge, or drops in lube oil pressure.
- Single Indexing score (Chiller Performance Index) used to quickly identify the most critical sites for the day.
- A detailed analysis indicating all failure points of the chiller – the comprehensive chiller report – is provided.

For more information, please contact:

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Benefits



Remote monitoring

View operational conditions and alarms remotely so critical chiller decisions are made and notifications sent when equipment deviates from the norm.



Fault detection & diagnostics

Advanced algorithms continuously run in the cloud and use operational data to detect problems.



Simple, clear, accessible data

Algorithm intelligently factors multiple elements of your equipment's performance into a single value so you can quickly identify when your chiller needs attention.