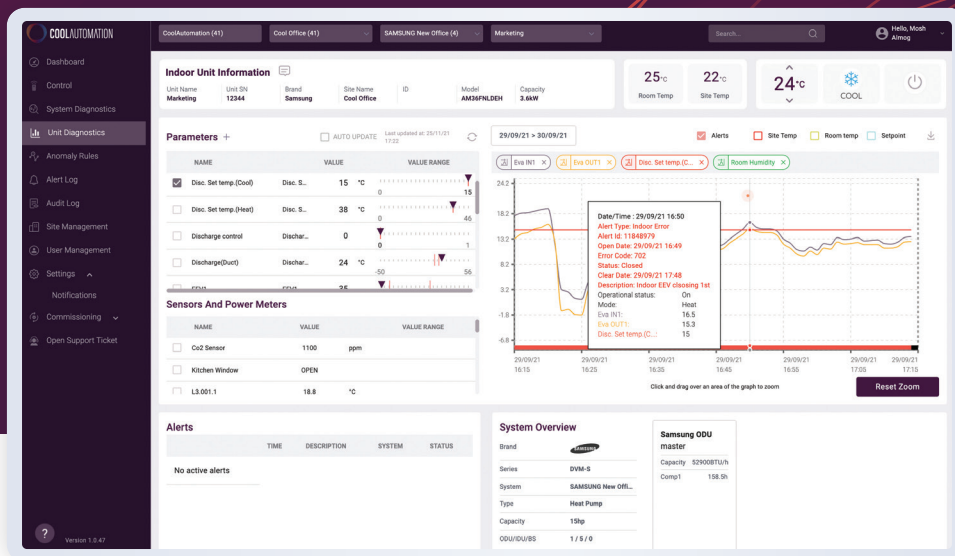


# HVAC Predictive Maintenance

Take the leap from local and reactive – to remote and proactive



Remotely detect HVAC system anomalies early while they are still minor – or even before they happen, and prevent system downtime. By receiving push notifications on malfunctions that are about to happen, you can fix system issues before they occur, thus preventing their deterioration into system failure. Keep your clients' HVAC system at top performance, by configuring a set of anomaly rules that are constantly monitored by the software.

## On-Site Visits Optimization

The CoolAutomation HVAC Predictive Maintenance solution provides another layer of insurance for the period between regular maintenance visits, allowing you to optimize your schedules and planning.

## Machine Learning

Smart algorithms monitor specific system parameters, enabling predictive maintenance through the detection of technical and operational anomalies. Complimentary reports analyze up to a year's worth of data to provide targeted optimization and remediation targets.



Software category finalist in the AHR expo 2022 innovation award



Winner of the "Smart Heating and Cooling Product of the Year" Award of the 2022 annual IoT Breakthrough Awards program

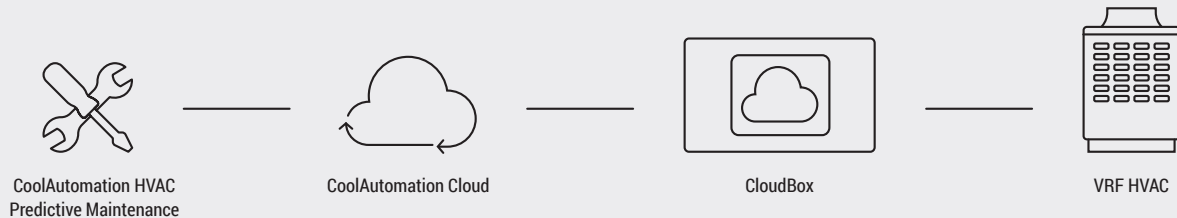
## How Does It Work

The HVAC Predictive Maintenance solution consists of an intuitive cloud-based application and an IoT-enabling edge device - the CloudBox, which natively communicates with any HVAC system. The solution is Plug & Play. It automatically detects the HVAC system and available units.

Once connected to the cloud, all brand-specific parameters of the connected systems will be immediately and continuously collected, analyzed and presented in the application.

Now that the system is set, the data is streamed into the system, and the algorithm starts monitoring the HVAC system remotely - detecting and notifying of any system anomaly or deviations from the regular system performance.

The system also offers a predefined anomaly detection library, allowing users to quickly and easily leverage the analytic power of the platform.



## Advantages



### Cross-Brand, Cross-Site

Connect any compatible HVAC brands to the solution, and diagnose them on all connected sites - from the comfort of your office or home



### Remote Fix Verification

Remotely set and run an automatic test procedure on the fixed system, followed by remote verification that all works as expected



### Usage and Performance Reports

Periodic HVAC system reports for periodic analysis of operation and performance



### Continuous Monitoring

Use continuous monitoring for early detection and handling of errors



### Real-Time Alert Notification

Receive real-time push notifications via text or email, for system errors and abnormal behaviour



### 365 Days Of Historical Data

The solution automatically retains all of the data for up to a year

## Compatible HVAC Brands



## About Us

CoolAutomation is a global leader in smart solutions for HVAC systems, specializing in VRF, Split systems, and heat pumps. With over 10,000 customers in more than 100 countries, our innovative products enable seamless HVAC integration and remote management, service, diagnostics, and universal system control. Founded in 2009, CoolAutomation has become the go-to choice for HVAC service companies, home & building automation integrators, building management experts, and facility managers looking to save energy, enhance service, and reduce costs for both residential and commercial sites.