

# RTU Failure Detection by Turntide™

Imagine preventing costly system downtime for your HVAC system. RTU Failure Detection alerts you when your RTU requires service, before it fails.



## Monitor conditions including:

- Loose or broken belts causing loss of torque and airflow
- Compressor damage from the system running outside design conditions
- Inefficient operation due to low airflow across heat exchangers and cooling coils
- Loss of heating or cooling



## Features

- Dashboard provides information on sites, equipment status, and enterprise summary, accessible from any browser-enabled device
- Visual summary of all monitored points for each RTU
- Simple user interface for drilling into alarms, sensor history, and other important RTU information
- Multiple user access with access controls and permissions
- Alerts can be sent to customers over email or SMS, and can integrate with a work order management system that accepts email
- Dashboard summary of all “open” alerts across all sites
- Ability to silence or reset alerts



## Unparalleled benefits

- Reduced downtime from failures by providing early warning of undesirable HVAC system conditions
- Improved occupant comfort by decreasing downtime
- Significant cost savings from preventive maintenance, rather than emergency service
- Improved energy efficiency by identifying conditions that degrade RTU operating efficiency



## What's required?

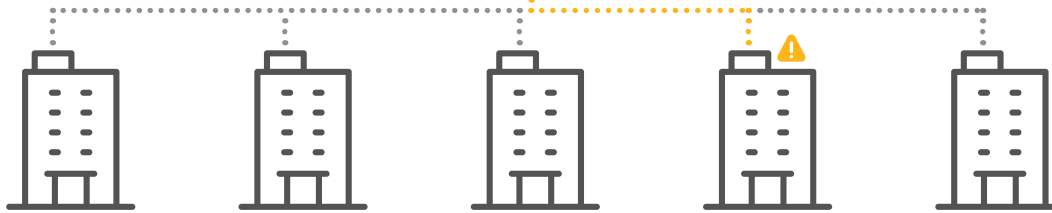
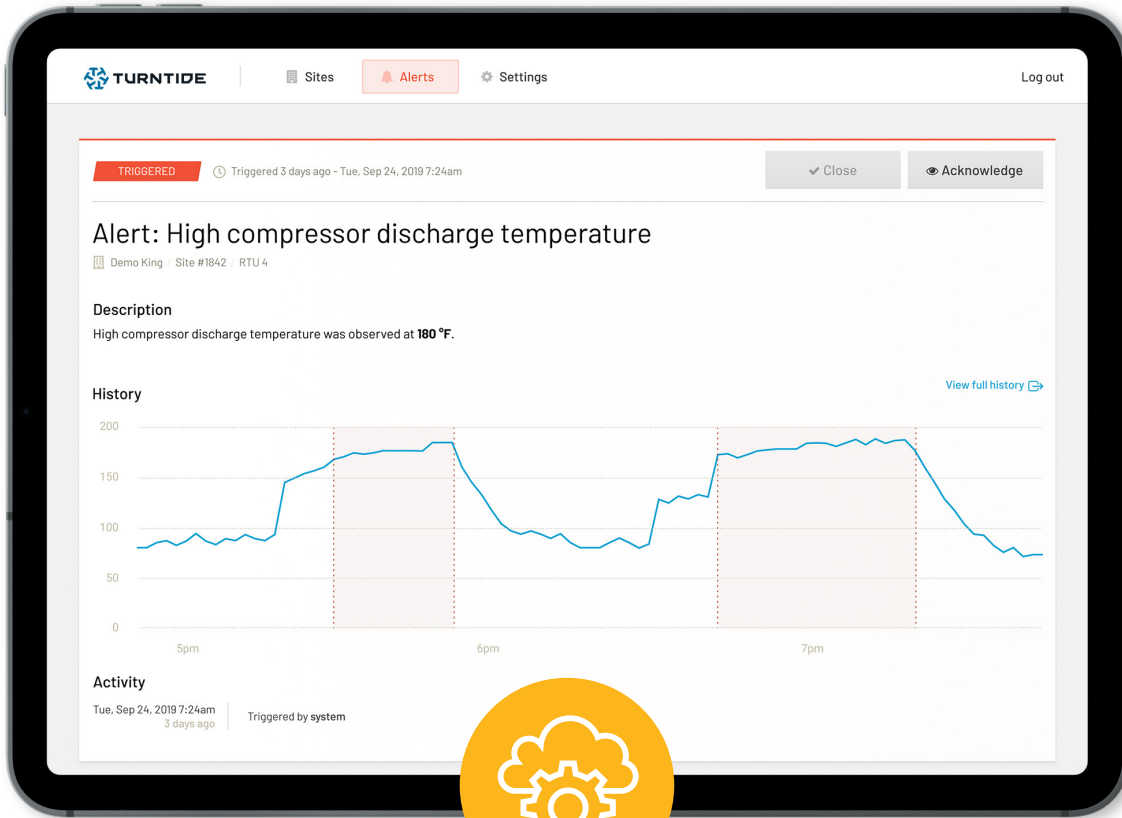
- Turntide Supervisor
- RTU sensor kit
- Cell modem, or access to onsite network



## Sensor Kit

- Outside air and duct air temperature sensors
- Non-invasive refrigerant line temperature sensors
- Compressor and condenser fan current sensors





## RTU FAILURE DETECTION BY TURNTIDE TECHNOLOGIES

### Indemnity

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Turntide Technologies (formerly Software Motor Company) has developed the world's most efficient and intelligent electric motor system. The revolutionary Smart Motor System is based on proven switched reluctance technology, now managed with advanced cloud software and connected to precise controls via IoT. Turntide's vision is to eliminate the 25% of global electricity consumption that is wasted by legacy motors, thus accelerating the world's transition from fossil fuels. Turntide is based in Sunnyvale, Calif., with offices in San Francisco; Arlington, Wash.; and Kennesaw, Ga. Turntide has installed Smart Motor Systems with dozens of customers, reducing their motor electricity consumption by an average of 64%, and is powering the systems of leading OEMs. For further information, visit [www.turntide.com](http://www.turntide.com).

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