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COMMERCIAL AIRLINE CASE STUDY

The commercial flight industry is a highly competitive business, with customer convenience a top priority. One of the top award-winning airlines has found a way to insure they stay at the top of their game.

DATA CENTER CHALLENGE

With an automated, regulated data center environment, our airline client was confident in their ability to maintain an appropriate temperature for their data center IT equipment. Their system involved mechanical vents in the data center's ceiling. The vents opened and closed to allow cool air into the room.

What the client did not plan for were the conditions outside the data center, and the havoc they would bring in a 24-hour period. A heavy snowstorm covered the roof of the data center, including the mechanical vents- essentially suffocating the IT equipment inside. The mechanical cooling system was entrusted to perform the essential task of monitoring the environment of the data center without any monitoring at all.

As a result of this failure, temperatures rose to over 100 degrees Fahrenheit in some parts of the data center. This led to irreparable damage to some equipment, and the unfortunate failure of some units.

The airline has since invested in Uptime Devices' monitoring solutions, guaranteeing that they will not have to risk another disaster like this. They have installed the following:

- One RPM CM per cabinet row
- Water sensors under raised floor
- One security sensor per cabinet
- One HEAT RIMS per cabinet
- RPM MIB integrated with the airline's existing network management software

CHALLENGE

This commercial airline wanted to offer the most dependable and efficient service possible. How much business would be at stake if their data center was at risk and their customers were unable to access their systems?

SOLUTION

Before integrating Uptime Devices into their data center, the airline had no way of knowing if a data center disaster was in the making until a human stepped into the room. Uptime Devices allowed them to make educated decisions based on accurate data and receive instant notification of environmental emergencies.

UPTIME LESSONS

Redundancy does not mean waste when it comes to protecting your IT installations. Redundancy means an added layer of protection.

A cost-effective layer of monitoring for those 'unthinkable' moments can mean the difference between a quick response and the ultimate data disaster.

Relying on external environments can expose your internal environments to added threats. Protect data with additional monitoring as necessary.