



Rooftop HVAC Monitoring

What would it cost if your HVAC unit failed?



- HVAC equipment is hard to access, making it difficult to monitor
- Banner's wireless vibration and temperature sensor can continuously monitor HVAC equipment and detect problems before the system fails and shuts down
- A simple solution can monitor multiple units and provide a warning light in a central location

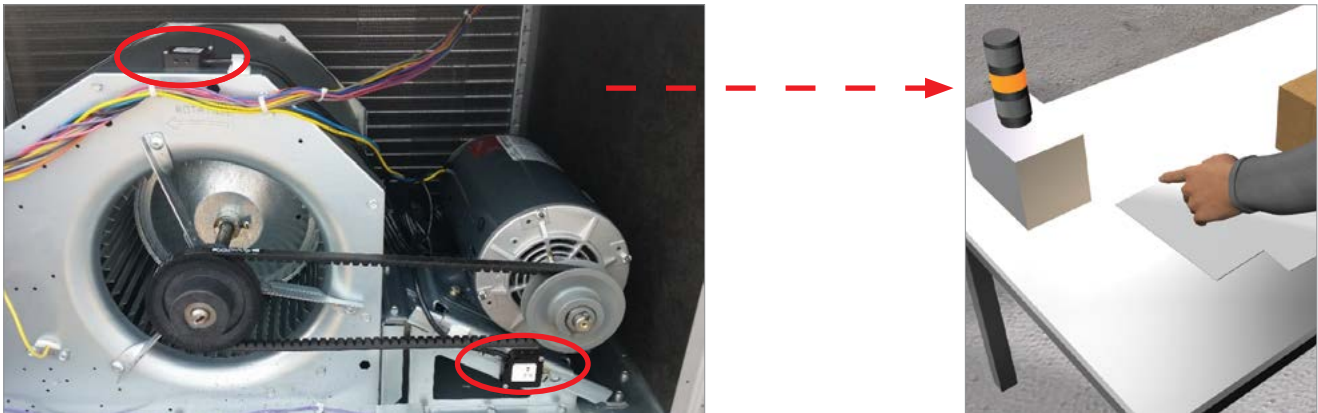


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Case Study:

At Banner's own distribution facility, environmental conditions need to be monitored closely because certain kinds of products and packaging can be damaged if the heat and humidity get too high. Two of Banner's new vibration and temperature sensors were mounted on a motor/fan assembly for the rooftop air conditioner so that if a problem occurred, it would be detected as the vibration increased. The air conditioner unit was relatively new and it wasn't expected that a problem would occur in the near future. However, two months later the indication light illuminated. The belt had worn because one of the pulleys was out of alignment. The resulting vibration exceeded a pre-set threshold and wirelessly sent a signal to turn on a warning light in the maintenance office. A repair technician was called and the pulley was repaired and the belt replaced before the environmental conditions in the warehouse were affected.



Models	Description	Qty
QM42VT1	Vibration & Temperature sensor	2
BWA-BK-001	QM42VT Magnetic Bracket with Screws	2
DX80N9X6S-P6	1-wire Serial Performance node with 10 to 30 V DC, 900 MHz	2
TL70DXN9YQ	Wireless TL70 Tower Light with one yellow segment, 12 to 30 V DC, 900 MHz	1
DX80G9M6S-PM8	PM8 Gateway 6 discrete in/6 discrete out, 900 MHz	1



[see video here](#)



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