



ASPIRATION



Case Study: **Indiana Government Center North Building**

FAAST Brings Government High-Rise **Up to Speed**



Project:

Indiana Government Center North Building
Indianapolis, Indiana



Aspiration FAAST 8100

FAAST aspirating smoke detection technology offers a **sophisticated, yet easy-to-install upgrade** path.

The Indiana Government Center North Building in Indianapolis was built in 1960 when facility security challenges were vastly different than they are today. In recent years, the 14-story high-rise, which is home to numerous government agencies, has addressed security concerns by implementing stricter entry procedures. Data security is also now a prime concern, which prompted officials to install state-of-the-art fire detection systems in their data centers.

When the existing aspirating smoke detection system in its 1,215-square-foot data center became outdated, the Indiana Government Center followed the recommendation of Fairchild Communication Systems, Inc., an Indianapolis systems integrator, to replace its older unit with a new System Sensor FAAST Fire Alarm Aspiration Sensing Technology® system. FAAST actively samples air through a pipe network as a means to identify low levels of smoke before an actual



fire occurs. This enables appropriate personnel to respond to incipient fire conditions and take action to eliminate costly system downtime or potential equipment damage and data loss.

A pipe network was already in place in the data center but it had to be evaluated before the FAAST system could be installed. "As it turned out, we were able to take advantage of reusing the existing pipe network by verifying and making sure that everything was going to line up," explains Shannon Almon, Director of Engineering at Fairchild Communications. "This was verified through the use of System Sensor's PipelQ® software."

This greatly simplified the FAAST installation. "It went real smooth because we were able to reuse the existing piping network," continues Almon. "It was surprising how easy the swapping out of the systems went. We put it in, and it's worked from day one, no issues. We liked it. It was simple, painless and easy."

Switching to the System Sensor FAAST system provides the data center with smoke sensitivity as low as 0.00046%/ft obscuration. This level of sensitivity, combined with its Dual Vision sensing technology and advanced particle separation, allows FAAST to eliminate potential downtime and other costs that may be incurred from a false alarm.

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The PipelQ software is specifically used for design, configuration and monitoring of the FAAST system. Through the use of the intuitive pipe network design interface, the existing pipe network parameters were confirmed to be compatible with the FAAST system.

An added benefit to this newer innovation is accommodating multiple levels of alert, enabling the Center to implement a strategic response plan so appropriate personnel can address incipient fire conditions before costly damage and downtime can occur.



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