



The info you need when others need you

Metro Aviation, Inc., Shreveport, Louisiana

"Our operational control center uses DTN solutions to review and monitor conditions for every flight in real time, 24/7, 365 days a year."

Metro Aviation

A thought leader and innovator in the helicopter emergency medical service industry, Metro Aviation is dedicated to providing safe, high-quality, urgent scene calls and interhospital transfers. It has over 130 aircraft operating in more than 30 programs throughout the United States. Internationally recognized for its reputation of excellence in aircraft transportation services, Metro Aviation has received Federal Aviation Administration (FAA) Supplemental Type Certificates (STCs) for numerous air medical components and installations.

DTN

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What they were up against.

Fast-changing weather conditions can put these critical flights at risk. Metro Aviation needed accurate real-time weather and flight hazard information available at all times.

What we did to help.

Metro Aviation chose DTN for cutting-edge, aviation-focused weather solutions. Currently, Metro Aviation relies on the company's powerful global RotorWatch® and 4-D Flight Route Alerting solutions. RotorWatch integrates and provides real-time weather conditions, while 4-D Flight Route Alerting provides proactive alerts so pilots can change course, avoid dangers, and prevent serious delays.

What the impact was.

According to Metro Aviation, its operational control center uses DTN solutions to review and monitor conditions for every flight in real time, 24/7, 365 days a year.

It all starts with a proposed flight route entered into Metro Aviation's software application program interface (API). DTN's 4-D Flight Route Alerting then evaluates the flight, while RotorWatch supports real-time monitoring for Metro Aviation's 40–50 concurrent airborne operations.

Metro Aviation points out that the weather overlays on RotorWatch are helpful for short and long range weather observations. It also allows for a quick overview of the flight route. The most important parameters to Metro Aviation's operations are ceiling, visibility, precipitation, temperature, dew point, and front. All the flight categories layer in AviationSentry Online® for an extremely accurate and reliable display.

With these solutions, Metro Aviation can pull multiple feeds onto one screen to easily track and modify flights. For instance, North Carolina had several forest fires. The flight categories were able to detect the low visibility due to the smoke and modify the routes. With the help of DTN, Metro Aviation can streamline and automate weather decision support.