



The Only Complete Weather Company

**NEWS RELEASE**

**Contact: Danielle Keeton**

**(256) 881-8811**

**[danielle.keeton@baronservices.com](mailto:danielle.keeton@baronservices.com)**

**WTVT UNVEILS WORLD'S MOST POWERFUL AND  
HIGHEST-RESOLUTION BROADCAST DOPPLER RADAR**

April 24, 2006, Huntsville, AL - WTVT in Tampa Bay, Florida is leading the way in radar technology by installing a custom Megawatt Radar. They have chosen Baron Services, innovators in radar engineering, to create the world's most powerful radar. With a 20 ft. dish and 36 ft. radome, WTVT's new radar is the world's highest resolution broadcast Doppler radar.

WTVT used a 250,000 watt radar with a 20 ft. dish before deciding to upgrade to Baron's strongest radar to date, a one-million watt radar. This upgrade will allow meteorologists to see 50 percent deeper into a storm. When a hurricane moves through Florida, WTVT meteorologists will be able to burst through that storm to detect heavy precipitation and damaging wind speed. Meteorologists will be able to measure winds from greater distances and in much more detail. Chief Meteorologist Paul Dellegatto is excited to have a new radar, but it is the viewers who will benefit. "Every second counts in severe weather, and having better warning with the Megawatt radar will allow viewers to get warnings earlier, and move to a safe place from the storm," Dellegatto said.

What makes WTVT the most powerful broadcast radar in the world is the combined power of the Megawatt and the sheer size and gain of the dish. The 20 ft. dish will result in a half-degree beam width with a high angle resolution, which is a one

hundred percent improvement over standard radars. The pulse will provide unprecedented resolution in the Tampa Bay area and double their current range, giving WTVT bigger bursts of energy, complete with better detail and more accurate sampling. The higher resolution means more detail to be displayed in 256 colors, making it easier for viewers and meteorologists to understand the intensity of precipitation moving through the area.

WTVT has long been known as a pioneer in weathercasting. They were the first station to film a flight into a hurricane, the first station in Florida to have a radar, and the first to receive the American Meteorologist Society seal in the state. Now they are one of the first stations to install this custom Megawatt radar.

Baron Services is an innovator in radar technology. Baron was the first with a broadcast Dual Polarization Radar, which is the future of radar technology. Boeing chose Baron Services to partner with for the SBX, a sea-based X-Band radar developed for the US military. Internationally, Paraguay selected Baron Services when they wanted to improve hydrological forecasts, and Taiwan made Baron their choice when it needed a new radar for its busiest airport.

# # # #

### **About Baron Services**

Baron Services is the Only Complete Weather Company, providing full-service weather technologies for a variety of industries. The company's broadcast division specializes in viewer-friendly weather displays for the High-Def Era, including daily forecast graphics, storm tracking, localized forecast data, live Doppler radar and community-oriented systems like remote sensors. Baron's consumer-driven weather systems deliver relevant information in simplified displays while requiring minimal interpretation on the part of the viewer.

Baron Services operates out of Huntsville, Alabama with auxiliary offices in Oklahoma, North Carolina and Florida. Its multiple divisions focus on broadcast television, public safety, government and industry, as well as satellite-delivered weather data for mobile environments. The company's numerous patents make it a continued leader in the communication of significant weather events.