

THOR GUARD Engineers, System Developers and Meteorologists have endeavored since day one to create a lightning and severe storm warning platform far beyond any technology available in the world. The TG360 was designed with data capture capabilities that would help in our storm analysis and advance the fine tuning of the TG360, particularly in the case of Severe Storm and Tornado predictions. In conjunction with our TG360 customer base, which is expanding quickly, **THOR GUARD** has been successful in accurate Severe Storm Warnings and in providing those customers with a clear notification that they will not be impacted by a severe storm, even if they are under a Severe Storm Warning. Recently, a TG360 was successful in predicting a tornado warning event in Minnesota. The amazing data collected, unlike anything ever collected before, has provided our first look inside a tornado that is now providing a clear path to fine tune our warning capabilities even further.

On July 18, 2020, at 5:48 pm in Blaine, MN, at the National Sports Center, the National Weather Service issued a Tornado Warning for the area. At 5:49 PM, **THOR GUARD** issued our Tornado Watch based solely on the data being collected by that TG360. All TG360 systems had been pre-set with a high value for tornado prediction notifications, a basic “starting parameter” from which to further develop our Tornado Algorithm Warning. Using the data collected, we inserted another lower value which, if initially embedded in the settings, would have provided a warning four minutes earlier than the Weather Service’s notification. All TG360 systems now have the new value programmed into their operating software. **THOR GUARD** researchers are continuing to study the data to enhance this warning algorithm even further. One of our new models would have provided fifteen minutes in advance of the weather service warning. Additional data from tornadoes which impact other TG360’s will help fine tune this vital warning component of the TG360 even further. Our intentions are to provide accurate warnings for the area specific to the customer’s location with an unprecedented degree of accuracy. **THOR GUARD** will not simply compare our warnings to those issued by the National Weather Service, but also the occurrence of an actual tornado.

THOR GUARD products are developed, engineered and manufactured in the United States with employees and suppliers working closely with the company. The new TG360 lightning prediction, detection and weather data system far exceeds any competitive product on the market today. No outside networks or other system data is required for warnings and no reliance on cellular or internet access to operate. The TG360 is the only stand-alone product on the market which delivers all of these weather-related services.

