



What We Do: GeoMetWatch (GMW) will dramatically improve the accuracy and timeliness of weather forecasting, enabling the preservation of lives and property, and improving commercial efficiencies, at a fraction of the cost of current methods.

Company Overview: GMW is the first and only company licensed by the US Government to operate a global, commercial, geostationary, hyperspectral imaging/sounding system. GMW utilizes state-of-the-art technology and an innovative commercial approach to deliver next generation weather and climate data at a fraction of the cost of conventional, dedicated systems. GMW's license allows for data delivery from technology that normally would be export controlled via US ITAR, opening a world-wide customer base to include all sovereign countries.

Customer Benefit: Our customers benefit by receiving the essential data they require at much lower cost and risk and without a dedicated, expensive procurement. GMW customers pay only for the data they receive, when they receive it, with no upfront development costs. GMW will provide the essential data products needed to

improve global, regional and national weather forecasts, with emphasis on severe weather forecasting, while monitoring climate change variables such as ash, dust, trace gases, and pollution products.


Technology: GMW benefits from previous US Government funded programs, having partnered with the key technology developers in the NASA GIFTS and NOAA HES programs. The Sounding and Tracking Observatory for Regional Meteorology (STORM™) sensor that GMW will place in orbit represents the production version of the GIFTS hyperspectral sounder and will be built, as was the GIFTS EDU, by the Utah State University Research Foundation Space Dynamics Laboratory (SDL) in Logan, Utah. SDL is a world leader in the development of cryogenic instruments required for applications in space. By leveraging these technologies and government investment, GMW can deliver mature and reliable capability with minimal development risk.

Data Products: GMW is licensed to observe and deliver simultaneous imaging and sounding products. Yet another competitive advantage for GMW is their exclusive partnership with the

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University of Wisconsin Space Science and Engineering Center (SSEC). SSEC is the world's leader in developing the algorithms that enable the processing of geostationary atmospheric data collected by the STORM™ hyperspectral sounder, particularly at the data volume GMW will generate.

Depending on customer need, GMW will provide a minimum of Level 1b radiances from each band/channel. Level 1b denotes calibrated and geo-located data. GMW can also provide derived sounder products (Level 2 and Level 3), like high vertical resolution profiles of water vapor, temperature, pressure, altitude resolved water vapor winds, sea surface temperature and land surface emissivity. Custom data products will be made available upon customer request.

Each GMW sensor makes full-disk observations of all bands every 20 minutes to one hour. Regional observation (1000km x 1000km) modes allow faster observation of severe weather areas, such as those plagued by hurricanes or typhoons, every two-five minutes. Larger observation areas or customer specified observation regions (i.e. CONUS) are also possible.

International Opportunities: Early customer commitments will determine the location of the first GMW satellite and each subsequent mission. The first satellite is currently slated to locate in an orbit slot over Asia. The GMW system will ultimately provide full global coverage, with six satellites operating simultaneously at a nominal spacing of 60 degrees of longitude. GMW has funding arrangements to sell to non-US entities with a one year prepayment of service and/or a minimum \$15M USD Letter of Credit. The Letter is payable toward the first year of service. Funding details are available on request.

Additional investment options include partial or total ownership of individual GMW satellites. Foreign investment and/or an ownership stake are allowed under the terms of the GMW license, but remain subject to US Commerce rules and regulations. Partnership proposals may be considered, either at the satellite operator or spacecraft level. In addition, GMW desires to develop data distribution and product development partners. Partnering terms will be situation specific.

Operational Dates: Given lead times for the state-of-the-art STORM™ hyperspectral sounder, the first launch STORM™-1 is scheduled in June 2016. The complete GMW six-satellite constellation is planned to be fully deployed and operational by 2020.

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Strategic Partners:

Utah State University Research Foundation –SDL
University of Wisconsin Madison – SSEC
Thales Alenia Space
Interlink Capital Strategies
Griffin Financial Group