

# Reliable data from remote locations.

## SkyServe<sup>SM</sup> Satellite Wind Data Service

**Situation:** Whether you're prospecting for new sites or monitoring your turbine fleet, profitability depends on getting accurate wind data—often from remote locations with poor cellular service.

**Solution:** SkyServe satellite wind data service bundled with the NOMAD 2 data logger, available only from Second Wind. It sets a new standard for affordability and reliability in remote wind assessment.

**End the waiting, the lost data—and the fear of getting it wrong.**

- > So fast you can forecast.
- > More reliable than cellular networks.
- > GPS location and time accuracy.
- > Faster, better, and cheaper than other satellite services.



## Ready to go on the ground

Your SkyServe-equipped NOMAD 2 is activated at Second Wind. Just connect the sensors and start collecting data—no communications setup, no separate antennas or cabling. The package includes:

- > NOMAD 2 data logger with solar recharging package and 10W solar panel
- > Integrated weatherproof high-performance GPS receiver with active patch antenna
- > Globalstar full-duplex data modem



## Affordable transmission from the sky

Second Wind has an exclusive agreement with Globalstar, Inc., to use its satellite network for wind assessment for less than competing services.

- > Reliable digital data communications using CDMA technology and the Globalstar constellation of Low-Earth-Orbit (LEO) satellites
- > Service is 9.6 Kbps—two to three times faster than competing satellite services
- > Serves NOMAD 2 locations throughout continental U.S. and Canada up to approximately the 60th parallel

## Two service options deliver data from our server to your computer—when, where, and how you need it.

Our SkyServe server provides a secure, online repository for your valuable wind data, with immediate verification of data integrity. Every ten minutes, NOMAD 2s link up with servers via the Globalstar system for the latest data. In the infrequent event that links can't be established, the SkyServe system makes sure to catch up after reconnection.

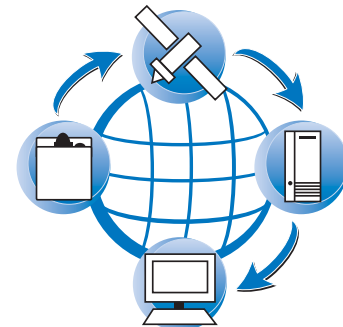
- > Real-time service provides immediate FTP access to your data files as soon as they reach our server, supplying your forecasting or SCADA system with the latest information.
- > Daily data service sends you an e-mail every 24 hours with your data, or lets you access it at your convenience via our secure web site.

## Reporting tools translate wind data into knowledge, helping you to turn a profit.

Either service lets you view your data from anywhere through your web browser and understand it using our growing suite of reporting tools.

- > See all your sites in an accurate geographical setting using Microsoft Virtual Earth. Zoom in on the location of one tower or zoom out to see all towers in a region.
- > The site dashboard gives you an instant assessment of conditions at your site. See the latest readings and trends for the last day, week, or month. If there's a problem at the site, you'll know immediately.
- > Do a quick analysis with our easy-to-use time-series graphs. Overlay wind speeds from different heights, compare wind speeds from different sites, or analyze other data you are collecting.

The NOMAD 2 data logger is SkyServe-ready when we ship it. The Nomad is a rugged, reliable tool for acquiring data from up to 12 anemometers and eight wind vanes or other sensors.



Every 10 minutes, the NOMAD 2 supplies data via the Globalstar satellite network to a secure Second Wind server. Our real-time data service gives your computer system immediate access to the latest information from virtually anywhere in North America.



See your data from anywhere through your web browser, and understand it with intuitive and easy-to-use reporting tools.

**Get more accurate, more affordable, more reliable wind data from remote locations. Call Second Wind today.**