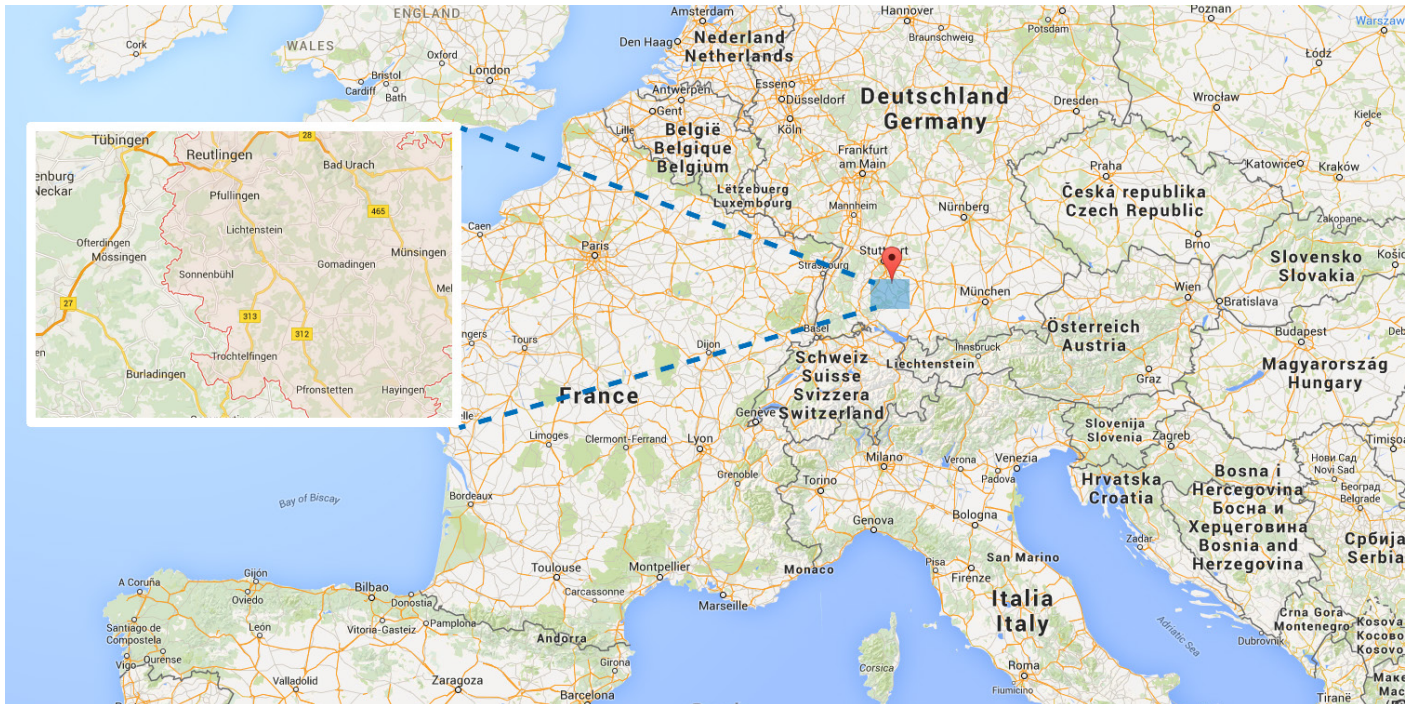


CASE STUDY 6

Wind Resource Assessment, Kreis Reutlingen, Germany (Sowitec)



Late last year, 2014, Sowitec* installed the tallest lattice mast for wind resource assessment in the region of Reutlingen in the south of Germany.

Given the high-valuable data to be collected from the 140 meter tall mast it was equipped with the EOL Zenith data logger.

Data is being collected from temperature, humidity and pressure sensors as well as wind vanes and seven anemometers installed at three different levels (80, 110 and 140 meters). Data is being downloaded directly by Sowitec through our data logger management software, EOL Manager.

Specific design features for this solution included:

- 1Hz sampling rate (complying with IEC 61400-12)
- Live real-time data (bi-directional communication)
- GPS time stamp and synchronization
- Automatic file download
- Multiple data delivery and forward options
- 10 min. averaging interval (user selectable)
- Data encryption and 2 level password protection
- Met mast management tool (EOL Manager) that helps keep track of all your sites

The EOL Zenith data logger offers a wide range of possibilities and is the core component in wind resource measurement campaigns. By default, the data logger comes equipped with GSM/GPRS communication capabilities.

[Click here](#) to read the complete article about the installation of this mast on the German newspaper website.

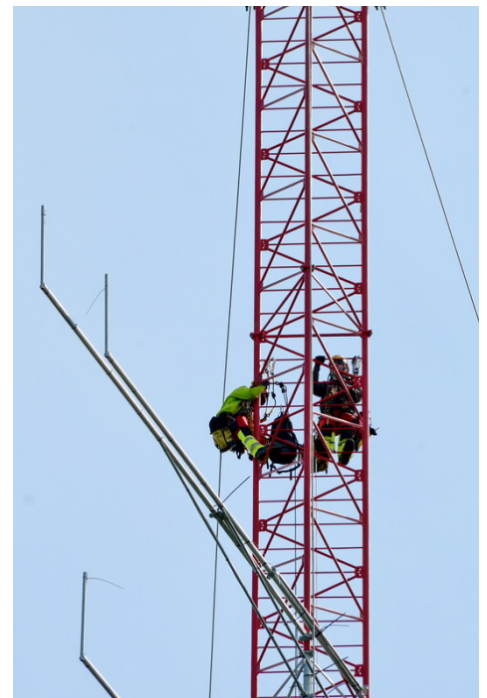
*One of the leading wind power developers in Latin America and Russia. Established in 1993, Sowitec has realized projects with more than 100 wind turbines in 30 different wind farms across Germany.



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