

TOP SOFTWARE



SEE THE FUTURE OF CLOUDS

On stand 2100, visitors will find CineSat, a professional software suite for interactive and automated meteorological imaging, real-time weather analysis, and high-performance display. Its special strength is the automated real-time cloud motion analysis and prediction of satellite images and weather movies that run into the future. CineSat includes a rich set of validated, cutting-edge nowcasting methods. It analyses image sequences

with ultra-fast and highly accurate algorithms, detects convective cells, analyzes cloud motion, and development.

Connected to a real-time data stream like EUMETCast, it automatically derives a set of fully customizable weather products and feeds users' applications and websites with high-quality data products, graphics, and animation movies.

STAND 2100



EXHIBITOR SPOTLIGHT

BEN DIETERINK
CEO KIPP & ZONEN

What is Kipp & Zonen BV?

Kipp & Zonen is the world market leader in sensors and systems measuring solar radiation for meteorology, agriculture, solar energy, and industry. Next to its range of sensors, Kipp & Zonen has developed scientific systems for measuring solar radiation-related phenomena in the boundary layer.

Why are you exhibiting at Meteorological Technology World Expo 2011?

Kipp & Zonen has chosen the World Expo for two product launches. The show appeared to be the best platform for introducing a new range of solar radiation sensors and the completely redesigned scintillometer. The company has developed a range of solar radiation sensors with a smart interface, which are designed to meet the latest requirements for sensors in the solar energy industry. The sensors can connect to digital bus systems and provide onboard data qualifications to improve data quality and data security. Dataloggers are no longer required.

What are your pre-conceptions of the event?

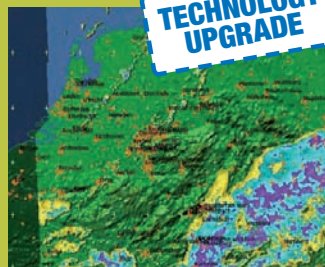
The World Expo looks like a great platform for our product launches. We have high expectations for visitor turnout from both the meteorological and solar energy/industrial markets. The mix of exhibitors – numbered among them quite a few Kipp customers – hopefully generating the required traffic for our product launches. We expect the show to be a great success.

FACT

In 2010, Russia suffered its hottest year in 1,000 years of history. At least 10,000 people died from Moscow's heat phenomenon

RADAR SIGNAL PROCESSORS

In 2011, GAMIC released the next-generation radar signal processor ENIGMA IV. In its upscale version it can process in full DPOL mode more than 12,000 range bins in real time. Radar systems in X, C, S – band, in stationary, transportable, and mobile version as well as Magnetron,



Klystron, TWT, and solid state are offered. GAMIC's ATC Radar Doppler Weather Extractor has now been deployed at more than 36 air force sites in cooperation with CASSIDIAN (EADS). The GAMIC software suite FROGMURAN, Version 4, now has more than 50 weather processing algorithms, including hydrometeor classification, detection, nowcasting, and real-time warnings.

STAND 3010

CALIBRATION TECHNOLOGIES AND SERVICES

To know that your data is reliable is essential, and not only for weather services – every operator of a meteorological network should take care of the reliability of its data.

A lot of time is used for planning the meteorological network and for

choosing the right sensors. And the right questions should be asked. But what about the time after the installation? Are the sensors still producing reliable data after working for several seasons with changing temperature and air pollution? It is also

necessary to test the accuracy again after a maintenance service.

Calibration must not be expensive and time consuming. Besides a wide range of meteorological equipment, exhibitor Theodor Friedrichs & Co produces all kinds of different meteorological calibration equipment for mobile, laboratory, or automatic use.

STAND 1110

