

Ammonit NEWS 1/2011

Dear Reader,

Quite a lot has happened during the last months. We were busy with the final developments of METEO-40. In order to deliver a highly sophisticated logger we concentrated on the smallest details to the very end. Thus it took a few months longer to get all the development tasks solved. Now after several tests we can finally announce that METEO-40 will be available in June 2011.

Take a deeper look at the new logger and meet us at EWEA 2011 (14 - 17 March 2011) in Brussels. We present METEO-40 and va-

rious sensors in hall 11 at booth 11234. Learn how you can benefit from the new logger or discuss the new features.

Furthermore, the Ammonit team keeps growing - the first result is this newsletter. We hope you enjoy reading it!



See you at EWEA 2011,
Vincent Camier

What's new at Ammonit

Ammonit METEO-40

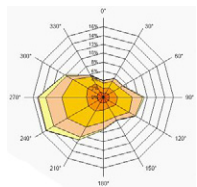


The long wait will soon come to an end: METEO-40 will be available in June 2011! Currently our new data logger is still being tested in order to fulfil our high quality standards.

METEO-40 offers you many new and improved features, i.e.

- Up to 2 GB memory
- High resolution (~16 bit, ~8 Hz) and many channels (max. ~35)
- Digital channel for smart sensors
- Compatibility with SCADA wind farm monitoring software
- Data transfer via HTTPS, FTP, SCP and email
- Connections: 3 USB and 1 RS-232 slots, i.e. for modem (GSM, GPRS, CDMA, UMTS); WiFi, Ethernet, memory stick or web cam

Precise Measurement according to MEASNET Site Assessment Norm!



METEO-40 is pointing the way to future data measurement! The new logger meets the high standards of **MEASNET Site Assessment Norm**, i.e. transparency. The key word is digital signature to prevent data manipulation.

We offer three version of the new logger - for each requirement the best logger:

- METEO-40S
- METEO-40M
- METEO-40L

Please let us know your requirements and we will recommend the logger that suits you best.

AmmonitOR (Ammonit Online Report)



AmmonitOR (Ammonit Online Report) makes your life a lot smarter! Use AmmonitOR to easily access, archive, monitor and visualise your measurement data 24h a day anywhere you are.

All the measurement data shown in AmmonitOR assist you in meeting the new Measnet Site Assessment Norm concerning data evaluation (data quality assessment and filtering). We have considerably improved the new AmmonitOR release 1.1.3. Learn how you can benefit from the new version:

- Data Calendar for monitoring each logger and recognising missing data
- Customisable filters for data quality assessment according to Measnet Site Assessment Norm
- High resolution charts to visualise your measurement data
- FAQ that answers your questions immediately
- Convenient import of old data for a complete overview of all measurement data
- Comfortable export and download of your data as a CSV file

Data Calendar for Logger #99 (C030012)

Month/Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
2010-01															144	144	144	144	144
2010-02	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
2010-03	144	144	144	144	144	144	144	144	144	144	144	144	144	76	144	144	144	144	144
2010-04	144	144	144	144	144	144	144	144	144	144	144	144	144	0	144	144	61	144	144
2010-05	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
2010-06	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
2010-07	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144

AmmonitOR: Data Calendar

Many customers already profit from our open source platform AmmonitOR! You can benefit from the advantages, too! When you access AmmonitOR via our server, the platform is even free of charge. To register email us at ammonitor@ammonit.com

New colleagues



In February **Daniela Treptow** joined Ammonit. She will be responsible for all marketing and press-related issues. Daniela holds a diploma in international business administration and has several years of experience in the software market particularly CRM (Customer Relationship Management). She is going to fill our marketing plan with new life and will help to improve our customer and partner oriented business processes.

If you have any question or need support, please feel free to contact her via email dt@ammonit.com or by phone +49 30 600 31 88 21.

Upcoming Events



EWEA 2001

14 - 17 March 2011 in Brussels
Visit us in hall 11 at booth 11234.



IWEA 2011

24 - 25 March 2011 in Dublin



SyrPower 2011

4 - 7 April 2011 in Damascus



WindPowerIndia 2011

7 - 9 April 2011 in Chennai

We are looking forward to meeting you!

■ Case Study:

Idelect Ltda Project for Wind and Solar Measurement Campaign in Colombia

Colombia's significant capacity of renewable energy especially wind and solar power is mainly unexploited. Currently hydropower is a very important national energy source. In order to complement the seasonal variations in hydropower, wind and solar become more important.

The wind regime in Colombia is among the best in South America. The coastal regions in the north of Colombia have been classified with class 7 winds. The only other region in Latin America with such high wind power classification is the Patagonia region of Chile and Argentina.

Because of its location in the equatorial zone Colombia has tremendous solar power resources. Solar systems are very suitable for installations in rural areas where energy demands are widely spread and grid connections are often expensive.

The project with INSTITUTO DE PLANIFICACIÓN Y PROMOCION DE SOLUCIONES ENERGÉTICAS (IPSE) is the first measurement campaign for Ammonit and its local partner Idelect Ltda in Co-



Mast Installation - Photos taken by Idelect Ltda

lombia. The project consists of seven met mast installations: one met mast (30 meters) for wind and solar measurement and six met masts (10 meters) for solar measurement. The installation started at the beginning of 2011 with met masts in Nazareth, Isla Fuerte y Titumate and Puerto Estrella.

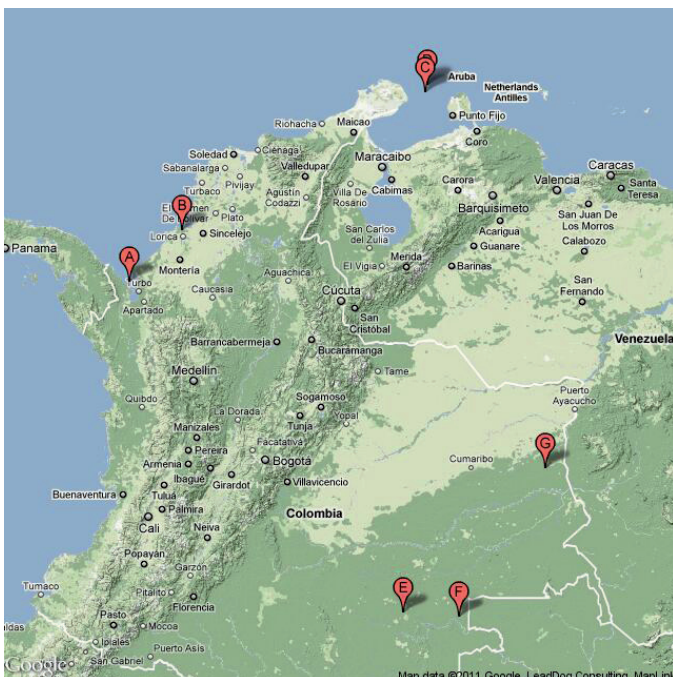
Due to topographic and climate conditions the measurement instruments must be robust, reliable and require little service. Ammonit offers suitable sensors and equipment to meet these requirements. The wind and solar measuring systems are implemented with:

- Ammonit Data Logger METEO-32
- Thies wind sensors
- Kipp & Zonen pyranometer
- Vaisala pressure sensors
- Galltec humidity temperature sensors

In order to monitor the measurement data IPSE uses Ammonit-OR (Ammonit Online Report) to archive, monitor and visualise the measurement data gathered by the installed Ammonit data loggers.

IPSE can easily set up filters to observe the measurement, i.e. minimum temperature or minimum wind speed. If any filtering condition applies, AmmonitOR will automatically send an email to IPSE. This way reliable measurements are guaranteed and in case of any emerging problem the operator can quickly react.

Once the measurement campaign is completed the collected data will be analysed in feasibility studies.



GoogleMaps: Mast locations in Colombia