

# METEOROLOGY

QUALITY THROUGH INNOVATION AND DESIGN

March 2017



Energy, Water, Environment.  
Global Sustainable Solutions.

## 01 Meteorology – HidroMET System



ENEA Grupo® markets internationally a complete line of remote very low power Automatic Weather Stations (AWS), designed and manufactured since 1974, and based on the field-proven and reliable Data Loggers, Acquisition and Transmission Units METEODATA / HYDRODATA-2000C & 3000C Series.

Our Automatic Meteorological Stations or Automatic HydroMeteorological Stations can be configured according to any requirement for the measurement of all meteorological and hydrological parameters, such as precipitation, air temperature, relative humidity, dew point, atmospheric pressure, wind speed and direction, solar radiation, etc., as well as water level of rivers, river discharge (water flow), water velocity and currents.

Due to the very low power consumption of ENEA Grupo's solutions, our automatic Hydro Meteorological stations can be installed at remote unattended sites, operated by the internal battery pack and charger and an external solar panel of reduced dimensions.

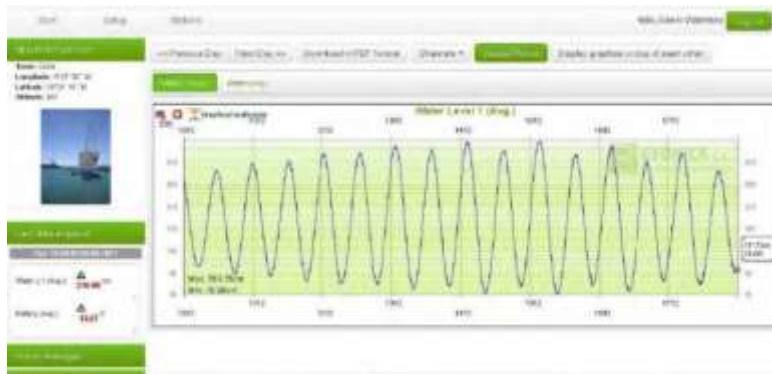
Due to the very low power consumption of



*Electronic Weighing Precipitation Sensor*

ENEA Grupo® offers a wide range of telemetry options for remote data collection and networking by GPRS/3G cellular Network; via Point-to-Point or Point-to-Multipoint Radio Link; as well as via Satellite (INMARSAT BGAN, INSAT, VSAT, IRIDIUM, etc.), allowing also mixed solutions and optional redundancy, in such a way to ensure communications in critical projects, as for example, in the case of early flood and heavy rain alert and warning systems and networks.

Our advanced and tested Software Package installed at the Data Receiving Center (DRC) is ready to manage all the communications of any number of remote measuring stations of a complex network, as well as fully remote programming and data transmission, generating a database in SQL for subsequent analysis and additional data processing.



By our WEBTRANS Ubiquitas Internet Platform (WEB Posting Application), the users have access via Internet to all graphical and numerical information transmitted by the remote stations to the Server, and updated at programmable intervals from 1 to 60

minutes. Additionally, it is always possible to interrogate directly the remote stations at any moment, as well as to request real-time data.



*Remote Automatic Rainfall Measuring Station*