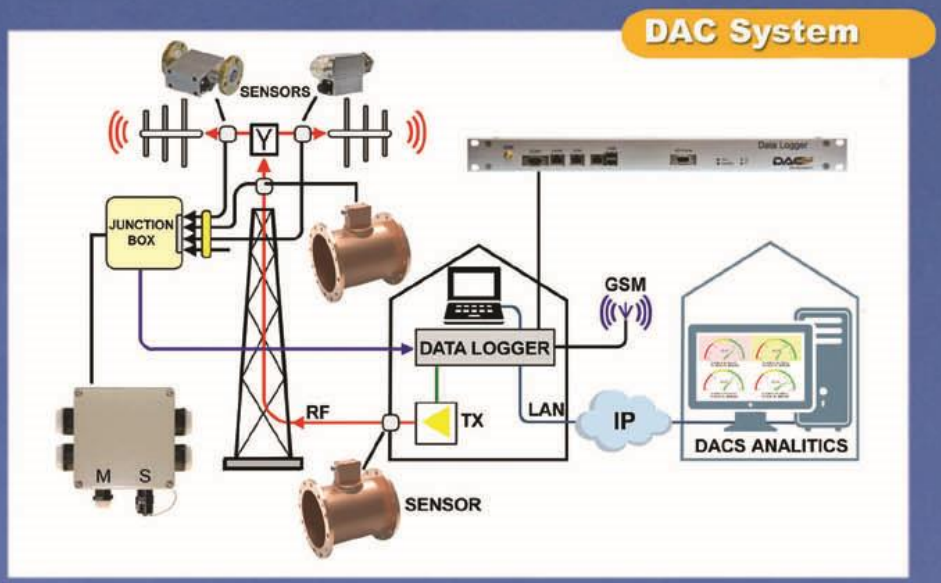

DAC
SYSTEM
We monitor your broadcast towers. Real time, Everywhere, On-line.

DAC SYSTEM

DAC System is a unique, patented and innovative monitoring system to prevent from failures in case of slow system degradation. Creating alarms from malfunctions due to short-circuits and blow-outs, water infiltration in components, deterioration due to long term use, damage due to improper installation, burning or loss of insulation by exceeding maximum power limits.

DAC SYSTEM ADDED VALUE:

- **Prevent downtime of broadcast services**
  - repair the RF-system before a total failure occurs
  - SLA violation eliminated
- **Reduce costs and mean time to repair by estimated 70%**
  - the right spare material is on site
  - long failure search is eliminated
  - external repair teams can be better controlled
- **Reduce fix and maintenance costs**
- **Increase the security of broadcast towers (prevent from fire and successive failure damage)**



DAC SYSTEM FEATURES:

- Real Time control of all antennas and power splitters/dividers
- Detection of performance degradation
- Immediate failure detection and localization
- Knowledge about the distribution/radiation of the transmission power in the tower
- Actual values vs. theoretical performance calculation

DACS Analytics

The DACS ANALYTICS is the Element Manager for the DAC System, features:

- Web based application
- Connection to all data loggers
- Presentation of measurement results
- Password protection
- Storage of all data in a database
- Data processing: RL/VSWR, power levels
- Alarm management
- Configuration management
- Alarm forwarding functionalities
- Reports and statistic features
- SNMP alarm traps
- Capable to offer a Monitoring Service to third parties

DAC Data Logger

The Data Logger connects with the Junction Box, and provides:

- Redundant power supply
- Remote powering
- Local PC port
- Ethernet interface
- The internal web server allows local configuration, access to measurement results and alarms
- Status LED
- I/O ports

The DAC Data Logger receives all measurement information from the Sensors installed at the tower or the cabinet. The Data Logger fits in a 19" rack, size 1HU.

DAC Junction box

The Junction Box collects signals from up to 16 Sensors, after signal processing the information is transmitted with one fiber optical cable to the Data Logger.
The Junction Box is remotely powered (Daisy chain capability to add several in series).
Outdoor use, EMC shielded.

DAC Sensors

With the DAC Sensors, Power and Return Loss (VSWR) is measured at each monitoring point.
The Sensors are installed at the power splitter and/or the antenna panel. Sensors can be added easy in existing and new installations.
The results are transmitted to the Juntion Box through shielded cables.
The Sensors are remotely powered.

PATENTED

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DAC SYSTEM
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