DAC System – Newsletter June 2017

DAC System is a supplier of innovative and unique IoT/Monitoring Systems. With this Newsletter, we frequently inform our partners, operators and solution providers about the latest market and product developments.

Our self-developed products are based on patented technologies and are manufactured in Switzerland acc. to the highest quality standards. The products and total system solutions are delivered worldwide to broadcast and LMR network operators. Find our latest publication on our webpage:

- [Monitoring RF-System - Opportunity for the repack project](#)
- [White Paper - Benefits of IoT in RF-System](#)

Operator of broadcast towers have a long term benefit adding Monitoring in the repack project. The white papers reflects on the subject of IoT Technology and Benefits in RF-Systems.

DAC System installs first 500m high [Antenna Top Monitoring](#) in the US at the WGME tower in Raymond, Maine

Early April [DAC System SA](#) and [Dielectric](#) installed the first antenna top monitoring in the US. The DAC monitoring device is mounted at a 500 m tower elevation on the outer conductor of the 6-1/8" rigid line. The DAC Monitoring system is measuring the power and VSWR at the bottom and the top of the antenna. This permanent in-line monitoring gives the operator picture complete snapshot of the RF-System. The monitoring system detects any degradation of the system performance and prevents complete system failures or damage through overheating of the rigid line. Prevention is possible because of permanent recording of the measured data; the operators are informed by email, SMS or push APP if barrier threshold indicate system degradation. The unique DAC System enables the operator to monitor RF-Systems with up to 250 Monitoring points per site. The system can monitor the temperature, VSWR/RL and power in indoor and outdoor applications. With its robust outdoor design and fibre communication, it is the only system able to monitor high power broadcast systems on tall towers.

| Indoor Sensor installed at the transmitter output | Outdoor Sensor installed at the top of the tower | WGME Tower |

DAC System Product Release 1.3.0 - available now

In the release 1.3 the DAC Monitoring System has been enhanced with new products and key features.
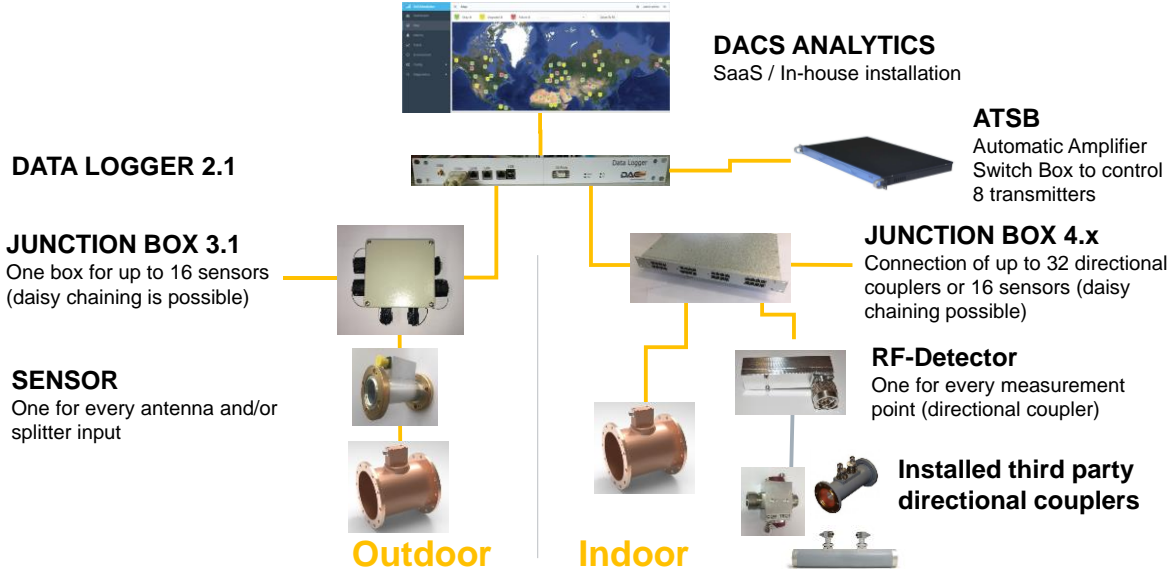
Supported new products:

- **Indoor RF-Detector**, connecting to already installed indoor directional couplers at the combiner/filer or feeder output
- **Temperature Detector** for indoor application
- Support of Outdoor/Indoor high power **Sensor in the size of 3-1/8, 4-1/2 and 6-1/8 inch**

Read more

New Key Features:

- Support of **SNMP V2c and V3** alarm interface with traps or as agent configured
- Enhanced alarm and system monitoring
- Support **wi-fi/wlan hot spot functionality** to connect wireless your tablet or laptop with the Data Logger
- The System can be switched to **"Maintenance Mode"**, in this mode alarm forwarding is suspended
- Enhanced scalability of the system, the system scales from **0 to 250 Monitoring points per Data Logger**

Product Overview

DACS ANALYTICS
SaaS / In-house installation

ATSB
Automatic Amplifier
Switch Box to control
8 transmitters

DATA LOGGER 2.1

JUNCTION BOX 3.1
One box for up to 16 sensors
(daisy chaining is possible)

JUNCTION BOX 4.x
Connection of up to 32 directional
couplers or 16 sensors (daisy
chaining possible)

RF-Detector
One for every measurement
point (directional coupler)

SENSOR
One for every antenna and/or
splitter input

**Installed third party
directional couplers**

Outdoor   **Indoor**

For further information, do not hesitate to contact us!