New Use Cases with TWISTER

- Increased Performance & Efficiency
- Smooth upgrade to digital
- Enriched Control and Monitoring
- Simplified maintenance

Recycle/Renew/Reuse your existing transmitters!

**Dual-Drive TWISTER Architecture**

1+1 Redundant TWISTER Architecture
TWISTER integrates the latest technological breakthroughs in terms of signal processing including TeamCast’s latest adaptive precorrection algorithms (GAP®). TWISTER brings a significant gain in the output RF signal performance, both in terms of factor of merit (MER) and intermodulation products (Shoulders). By adjusting the operating point of the amplifiers, it is possible to turn the MER gain into an efficiency gain.

Twister natively supports both DVB-T and DVB-T2 standards. Switching from one standard to the other is done without any software update, purely with a simple configuration setting. This enables transmission operators to sustain the value of their investment, and to anticipate, simply and effectively, any future transition to DVB-T2.

One unique and differentiating feature of the TWISTER solution is the integration of a set of functions specially developed for the control and monitoring of the transmitter. TWISTER is for instance able to drive the transmitter start and stop cycle from a single command, while following a pre-configurable sequence. Embedded monitoring functions provide real-time measurements of key operation parameters such as forward and backward RF power levels, MER and intermodulation (Shoulders). A specific protection mechanism for the case of a high backward power alarm can be set up, to ensure that the whole transmitter operation remains safe and protected.

Usually the periodic maintenance of Digital Terrestrial TV transmitters leads to significant operational costs. With TWISTER’s adaptive pre-correction, transmitter adjustment is made simple and fast. The embedded MER and Shoulder measurements make the use of external instruments unnecessary. The availability of the whole set of TWISTER’s functions through the SNMP interface makes the remote control and monitoring of the transmitter simple and effective.