

DMT's technology and the digital future of Polish TV

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Poland is proceeding fast towards the launch of Digital TV services. An important step in the actuation of the strategy defined by EmiTel and TVP is the DVB-T field trial recently started by EmiTel in Jemiolow and Wichow, for which DMT has been asked to provide the transmission equipment.

DMT's equipment used for this application are high power (5kWrms in Jemiolow and 2,5 kWrms in Wichow) and isofrequency synchronized in SFN. They are based on "liquid cooled" technology, one of DMT's strenghts. Several thousands of high power transmitters of this type have been produced by DMT since 2002, matching high reliability level to state-of-the art performance. Furthermore, the digital signal handling and processing technology, in particular for what concerns modulation and frequency conversion, is subject of continuous study and upgrade, aimed at keeping pace with the evolution of user's needs, as well as with the most recent developments in available electronic components.

DMT has provided support to Emitel for network installation, test and activation, totally committed and focused on the trial success.

In the same time, a further achievement in the cooperation between Emitel and DMT has been the activation of the Mobile TV trial over Warsaw in DVB-H standard. In this case, an "air cooled" transmitter by DMT, output power about 1,5 kWrms, has been used. Having supplied over 1500 DVB-H transmission systems, DMT probably ranks as the world leader for this technology, with a complete product range, capable to satisfy all the needs in the implementation of DVB-H networks, from low to high power values, complete also with antennas, signal distribution systems and network complements.

About DMT

DMT is an Italian company headquartered in Lissone, Italy, operating in the sector of communication infrastructures, offering products and services, assisted and integrated, to radio-television network operators and wireless operators. DMT Group activity is divided into two areas:

- **Technology:** production of television transmission systems, both digital and analog, and supply of individual components and integration of "turn-key" complete systems.
- **Towers:** includes services connected with the operation of broadcasting or wireless sites, and hosting on sites belonging to the group of sites managed by the Company.

For contacts and additional information, please visit www.dmtonline.com .