

The Morocco Weather Radar Network - mix of upgraded radars and new ones - A success story

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The project was starting in 2006 with 5 old weather radars, existing in Morocco since the 80's, which were modernized in HW and SW. The modernization, Dopplerization and networking was finished in 2008.

This project comprised the production, development, installation and commissioning of new ENIGMA and MURAN data processing systems for the 5 existing radars, including one Dual-polarization radar.

National control and data centers for the weather radars were set up at the DMN headquarter in Casablanca, the Division Technique et d'Équipement (DTE) and DRMC Direction Régionale Météorologique du Centre and two regional centers.

In 2009 and 2013 the network was extended by two NEW radars, which were integrated seamlessly into the MURAN system.

The paper will discuss the radar modernization and IT-integration concept as well as issues which had to be overcome and the positive results and benefits now seen in 2014 after some years of operation with the 7 radars, delivering data 24h/365 days per year to the DMN users.