

MET SERVICE OF MOROCCO

A New Maintenance System for Radar Network



Presentation :

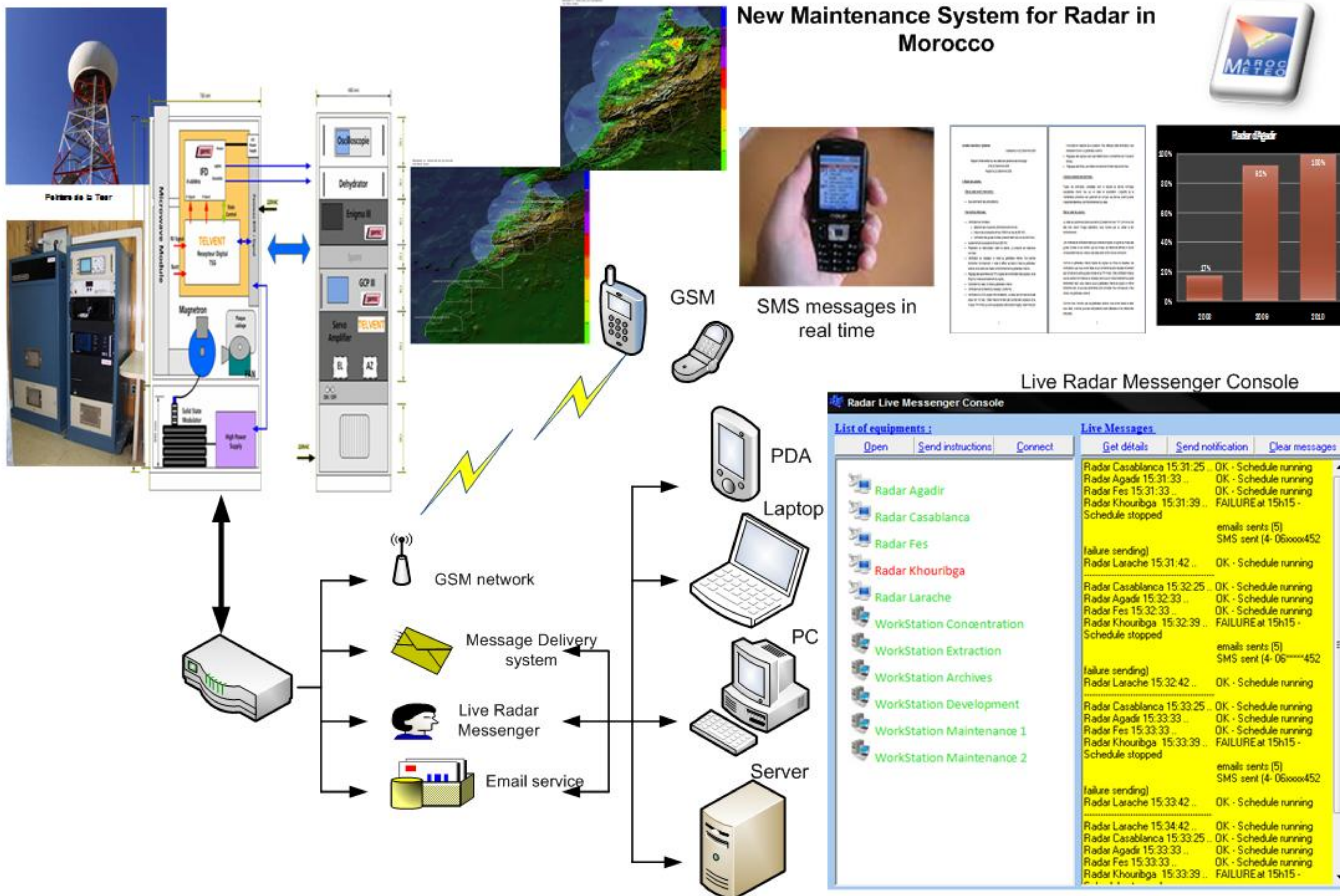
A maintenance system has been installed three years ago in Morocco. It consists in the following parts:

- Built In Test Equipment (BITE) installed inside every radar;
- A set of processes running on every radar to communicate with the BITE and generate events and reacts according to programmed scenarios;
- A server installed at the central site and connected the LAN that links all the radars.

Main functionalities :

This system watches permanently all the radars and computers over the network and ensures many functions among which:

- ❑ All the received events are saved in a database that allows to extract parameters related maintenance (MTBF, ...).
- ❑ The system generates alerts that can be sent by emails, SMS and Live Messenger to the concerned managers;
- ❑ The system allows access to deep radar resources, allowing performing many remote maintenance actions. This helps a lot the maintenance staff.
- ❑ A part of the software is installed on a Laptop that can be connected to the radar interfaces, allowing to perform local maintenance, and to write reports that can be transmitted to the central system.



Extra functionalities :

The system provides an easy interface for maintenance management:

- ❑ Preventive maintenance schedules, Maintenance reports management (writing, collection, display, printing, organization, ...). Reports sheet that can be written on every site and transmitted in real time to the centralized system.
 - ❑ Reports management tools that allows to generate maintenance report and transmit it in real time to the server for broadcast and archives.
 - ❑ Spare parts management;
 - ❑ Maintenance tools management;
 - ❑ Remote access to the radar for diagnosis;
 - ❑ The system can communicate thru network, GSM and 3G /3G+ internet connections.
- This system is in operation in our radar network and is very helpful for our maintenance staff.