

Network schema and overview of components of a GAMIC weather radar site

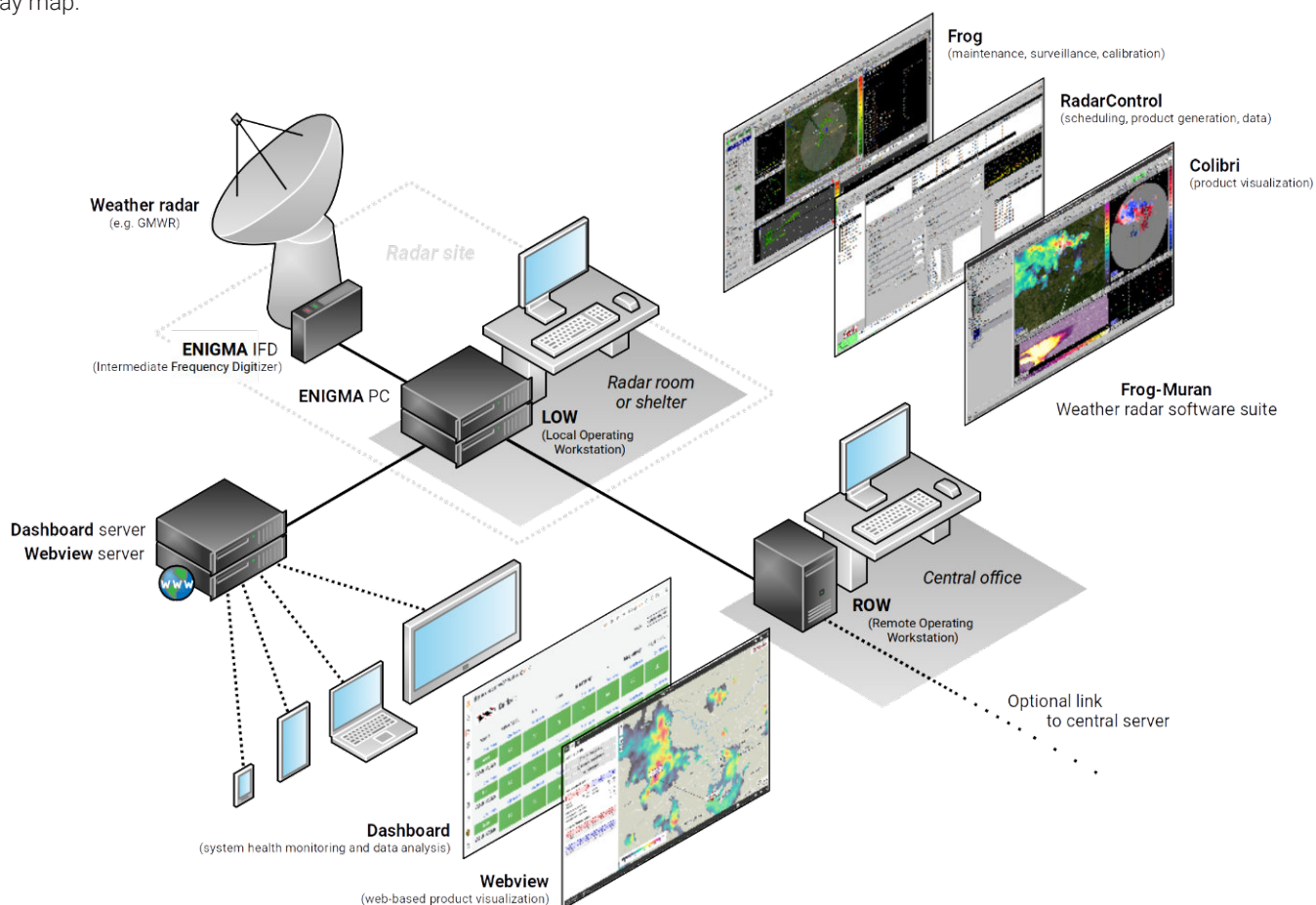
A typical GAMIC radar site can be split in three spaces: the weather radar, a radar room, office, or shelter (e.g. a container) with the **LOW** (Local Operating Workstation), and a remote workspace or central office with the **ROW** (Remote Operating Workstation).

Directly connected to the radar is the **ENIGMA** signal processor, consisting of the IFD (Intermediate Frequency Digitizer) and the PC/Host for data generation and correction. Radar control, scheduling, further data processing, and more is done by the **LOW**. Additionally, the user can access all control features of the LOW via the remote counterpart **ROW**. This offers a flexible operation, especially if the access to the radar is complicated or limited.

Every necessary application to operate the radar is included in the **Frog-Muran** software suite which runs on Linux desktop workstations (e.g. LOW and ROW). Optionally, there are two web-based tools that offer more flexibility as they are independent of a certain workstation. **Dashboard** allows system health monitoring and automatic data analysis. **Webview** provides a sophisticated product visualization with a dynamic underlay map.

Overview

- » Signal processing and data generation (**ENIGMA**) directly at the radar site
- » On-site (**LOW**) and off-site (**ROW**) operation
- » Comprehensive weather radar software suite **Frog-Muran** for desktop workstations
- » Optional web-based tools **Dashboard** (system health monitoring) and **Webview** (product visualization)



v1.1 (2023-07-25)

