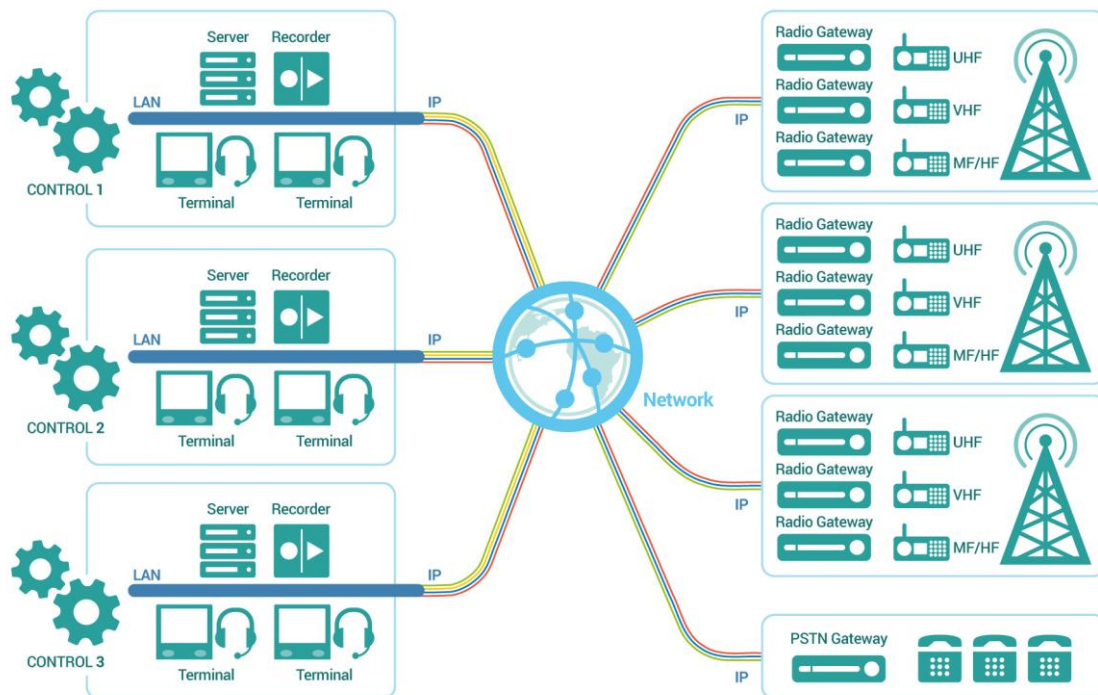# VOICE COMMUNICATION SERVER
mod. VCS-1123

The VCS-1123 provides communication management functionalities among network entities of the VoIP Integrated System (VIS).

It is based upon the following modules:

- a central database

- a web server for configuration and monitoring of the network entities

- a core module for communication management

The database contains information about the configuration of network entities of the VIS. This information is required to initiate, maintain and control the connections.
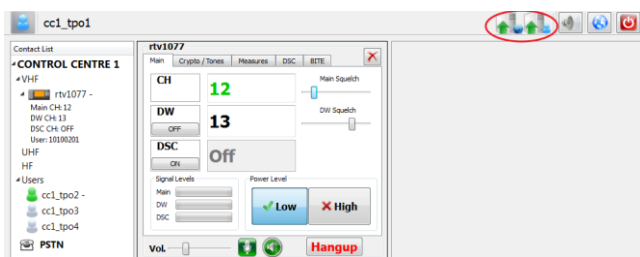
The VCS-1123 can be configured and easily administered through the VIS administration web interface. On it, the system administrator can configure the basic architecture of the VIS, agents' credential and rights, and advanced communication features.
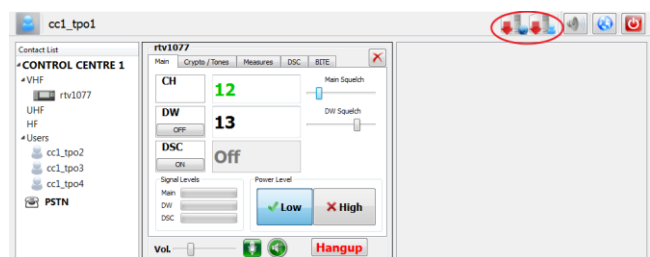
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The core module of the VCS-1123 provides the following advanced functions:

- Communication establishment, control and tear down

- Audio Conference

- PABX calls

- Network monitoring and distribution of radio transceiver status (busy, channel, alarm etc.) to all the VoIP terminals

- Voice message broadcast

- Interfacing with other Communication Servers belonging to other areas

- File exchange among terminals

- Instant Messaging

- Group Chat

However, VCS-1123 advanced functions aren't critical for the system survival: as a matter of fact, when a failure occurs on the Server, the Operator-Radio communications are ensured by backup working mode of the VoIP Operator Terminal (VISus) without the need of additional elements.

VISus main working mode

VISus backup working mode