

TELECOMMUNICATIONS SYSTEM REQUIREMENTS

A dispatching telephone system and a radio broadcasting system must be designed for the new hydrochloric acid installation.

1. Dispatching telephone system

- a. The installation should be based on analogue industrial telephones from Telkom Telos
- b. Should the environmental conditions require another type of telephones, they must operate on a standard analogue telephone line.
- c. The telephones must be installed in sound-absorbing half cabins
- d. Should the noise level at the installation site be high, additional signalling is required (signalling device PS-5, flashing light, buzzer with high efficiency)
- e. The telephone lines from the telephones should be routed via a cable route to the telecommunications switchboard installed in the Chlorine Plant control room.
- f. All the lines will be connected to the company's MX One dispatcher and subscriber exchange from Mitel.
- g. If an additional workstation is to be dedicated to the technological process, it should be equipped with a control panel in the form of Mitel DIALOG 4225
- h. The connection of the new lines to the exchange and system configuration will be carried out by the technical services of ANWIL.

2. Radio broadcasting installation

- a. According to the internal regulations, the radio broadcasting system is to be built in all such rooms where people are or may be present
- b. The installation should be based on horn loudspeakers adapted to the environmental conditions.
- c. BOSCH type LH2_UC15E loudspeakers are used as standard in ANWIL installations.
- d. The loudspeaker system operates at an operating voltage of 100V~
- e. The facility installation is to be implemented via a separate cable route and the connection of the respective loudspeakers must be made via junction boxes so that the continuity of the loudspeaker line is not interrupted by disconnecting an individual loudspeaker
- f. The power connection for the installation is also to be routed via a separate cable route to the telecommunications room in the control room building of the Chlorine Plant
- g. The connection of the new installation to the existing radio broadcasting system will be carried out by the technical services of ANWIL.