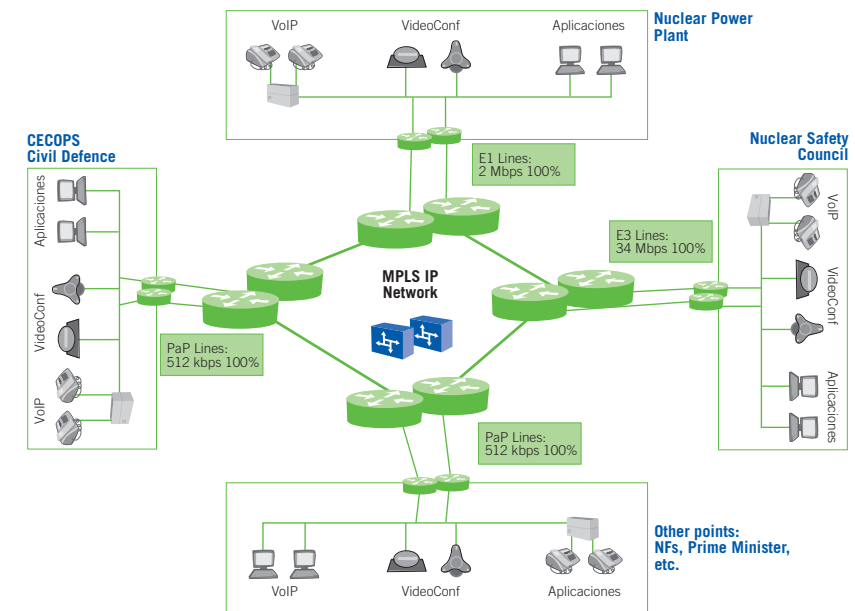
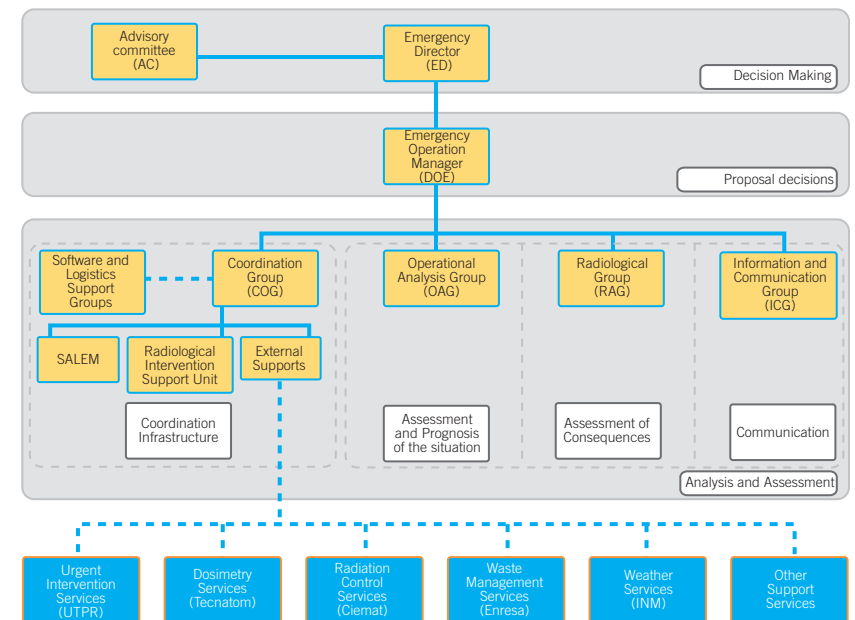


Red-N

In order to establish communications between the different agencies involved in the event of a nuclear or radiological emergency, the SALEM has a modern and advanced communications system (Red – N).



The Nuclear Safety Council's emergency response organisation



SALEM Emergency Room

SALEM Emergency Room



In the event of a radiological accident, please contact ASAP:

CSN

Tfno: 91 346 06 00

salem@csn.es



The main functions of the Nuclear Safety Council are to ensure the safety of nuclear and radioactive facilities and monitor the radiological quality of the Spanish territory both under normal conditions and in accident situations.

The Emergency Response Organisation (ERO) is the operating structure set up by the CSN to carry out the missions that are its responsibility in the event of a nuclear or radiological emergency. This organisation is provided with the appropriate human resources, technical means, and procedures.

The Emergency Room (SALEM) provides the basic material infrastructure to execute the Emergency Action Plan (EAP) and constitutes the CSN's ERO operating centre.

This room is on a state of constant alert, for which it is manned 24 hours a day everyday of the year, and has an ERO stand by team that can be assembled in less than one hour.

The SALEM has communication systems and assessment tools that allow knowing the evolution of the accident, its potential consequences and the protection measures that must be put into practice according to the severity of the event.

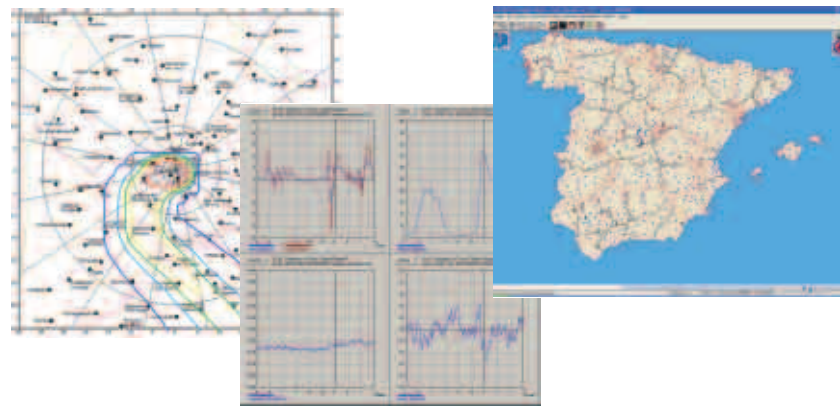
The physical arrangement of the SALEM is based on an oval-shaped central core where the Emergency Management room is located. Surrounding it are the rooms of the four operating groups of the ORE.



Radiological Group (RAG)

The mission of the Radiological Group is to analyse the situation created by the accident and to propose to the DOE the appropriate protection measures to mitigate its radiological consequences over the population, goods and the environment as well as to collaborate in their implementation.

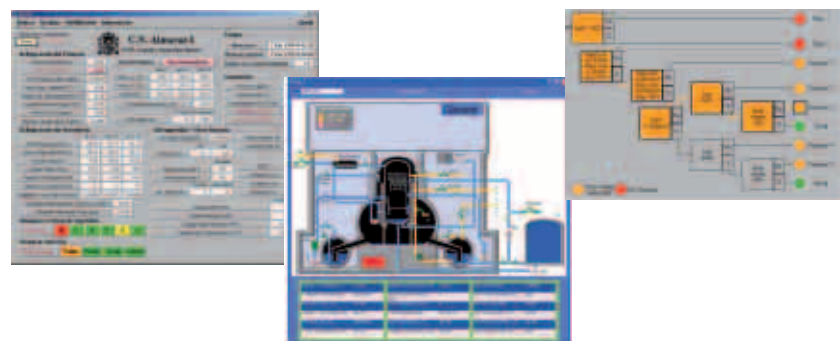
This group has several tools to be able to perform its functions. The remote meteorological station interrogation system (SIREM-2), by means of which weather data of nuclear power plants are known, is worth mentioning among them. Aforementioned system is linked to a model for estimating the dose that population would receive in the event of a nuclear emergency. Likewise, it has radiation measurements provided by the networks of automatic stations of the REVIRA network and the RAR network and sampling and analysis programmes which are started in the event of a nuclear emergency.



Operational Analysis Group (OAG)

The mission of this group is to analyse the causes of the accident and forecast its possible future evolution and to inform the DEO of the measures that should be implemented to take the state of the emergency to a safe condition, taking into account that the facility is responsible for the decision making.

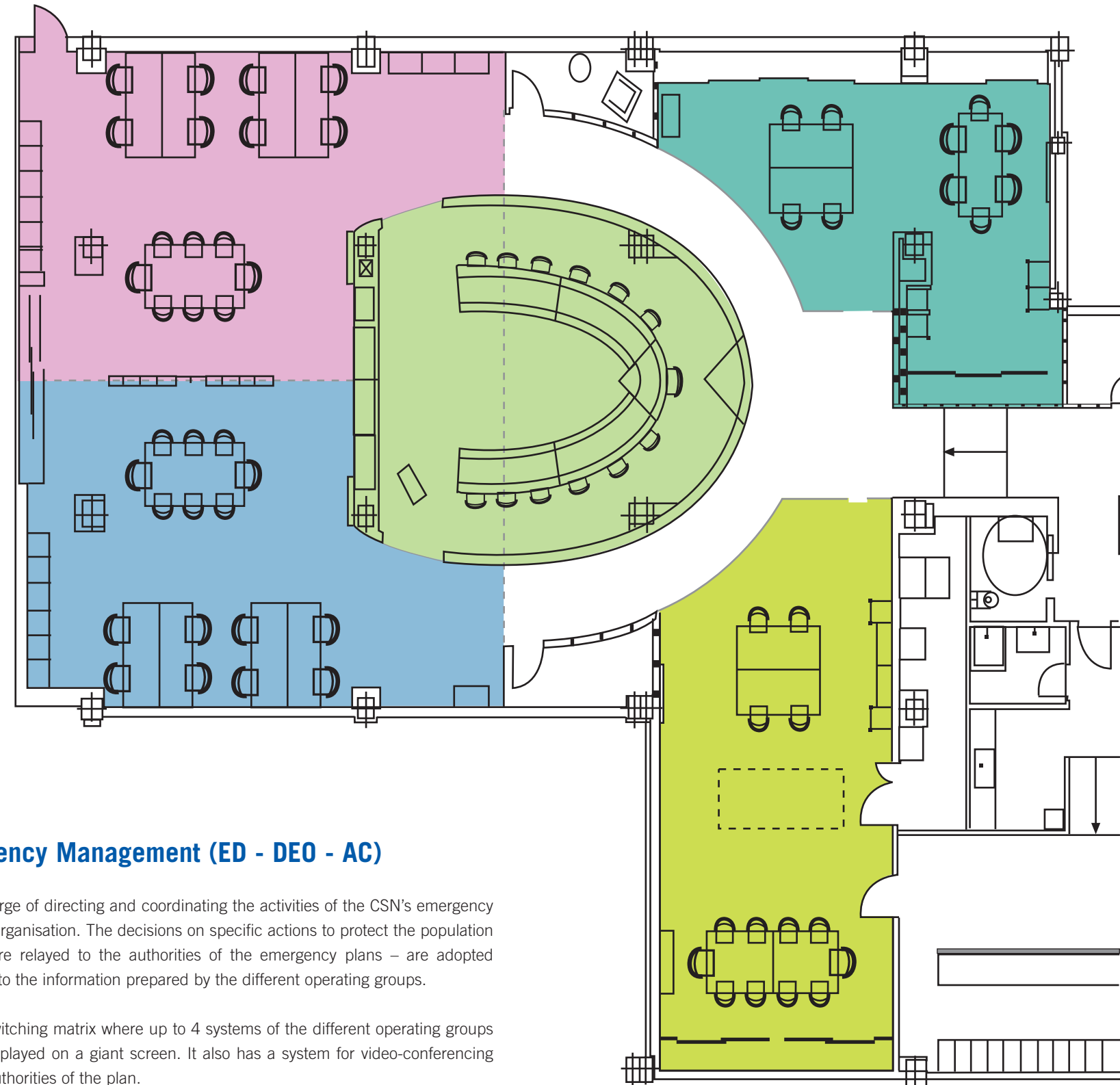
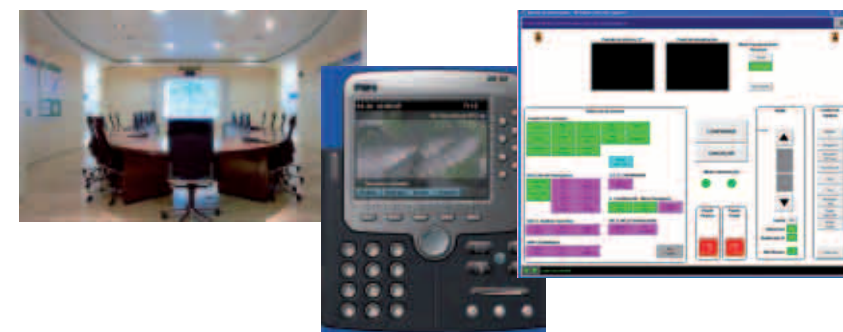
This group determines the state and evolution of the accident by monitoring the safety parameters of the affected facility, as well as its possible evolution. For this purpose, it has a system for communicating with the process computers of each of the NPPs which allows to receive the main parameters thereof. These parameters, updated every 30 seconds, are the input for a system that allows forecasting in advance what the state of the plant will be in a subsequent moment.



Emergency Management (ED - DEO - AC)

It is in charge of directing and coordinating the activities of the CSN's emergency response organisation. The decisions on specific actions to protect the population – which are relayed to the authorities of the emergency plans – are adopted according to the information prepared by the different operating groups.

It has a switching matrix where up to 4 systems of the different operating groups can be displayed on a giant screen. It also has a system for video-conferencing with the authorities of the plan.



Information and Communication Group (ICG)

The mission of this group is to provide to the other organs of the ERO and the bodies with which the CSN has early notification agreements the information on the facility or the location of the accident necessary to perform their functions. This group in charge of preparing the information to be sent to the population and media.

It has systems to inform international agencies of the emergencies (ECURIE/CoDecS for the EU and EMERCON/ENAC for the THEA). It also has a documentation system with all the technical information related to the emergency management of the different NPPs.



Coordination Group (COG)

The mission of this group is to maintain the CSN's ERO infrastructure and ensure the flow of information among all of its groups. This includes maintaining the SALEM in constant alert, receiving and distributing information on incidents, ensuring the operability of the infrastructure of the SALEM and the operability of all systems, activating the ORE and coordinating the internal and external supports.

In order to perform its functions it has a monitoring system that allows seeing at any time all systems and equipment necessary to manage the emergency. It also has system that allows verifying the state of the nuclear switchyards in Spanish territory.

