

# Alarm notification for electrical substations

The alarm notification module of the INGESYS™ IT substation SCADA offers O&M staff a quick and effective system for sending notifications about alarms status to one or several persons in real time.

Alarm notification is a useful tool in substations in which there is no permanent local operator presence, which significantly reduces **costs** and **reaction times** when responding to unscheduled events and situations that may arise.

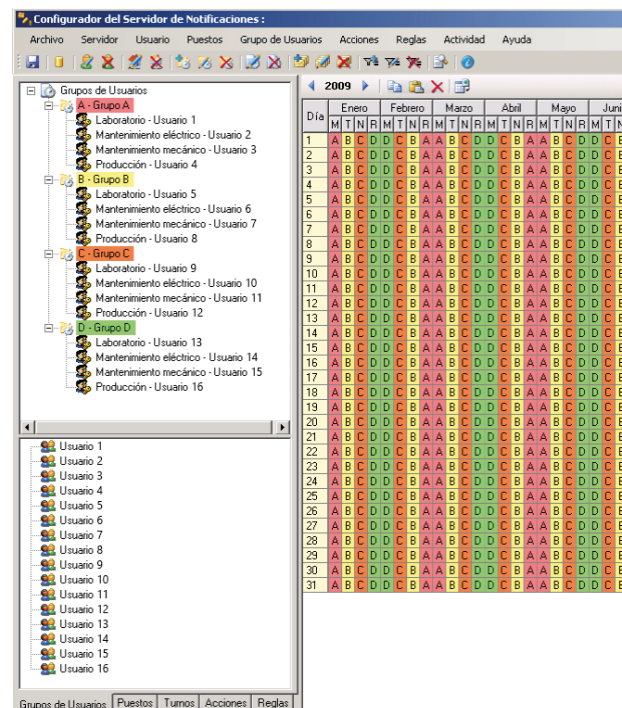
The module is equipped with an **easy and intuitive configuration** environment, which allows all aspects relating to alarm notifications to be defined and managed easily.

## Configuration

For each of the system alarms, a set of **rules** are defined which will determine which ones will be notified and what groups of users or posts will be sent. The user can define as many actions and rules as they wish.

Different notification aspects can be configured:

- Users: a phone number and an email address is configured
- User groups: made up of one or several users
- Posts: job posts or positions
- Shifts: time slots in the working day
- Actions: type of notification (email or SMS)
- Rules: each rule includes a filter on all alarms defined in the system
- Calendar: can be assigned to groups of users, day-shift, based on the notifications strategy during the year



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## Notifications

The content of the message to be notified can be configured in the notifications server.

In said text you can include the information received from the change event, the text message associated to the alarm or event, the area, the source of the alarm, the timestamp associated to the event detection, etc.

The alarm notification can be done through SMS text message or email.

## SMS text message

A text message sent by SMS through a mobile phone supplier.

## Email

A message sent by email via SMTP through an internet services provider.

