

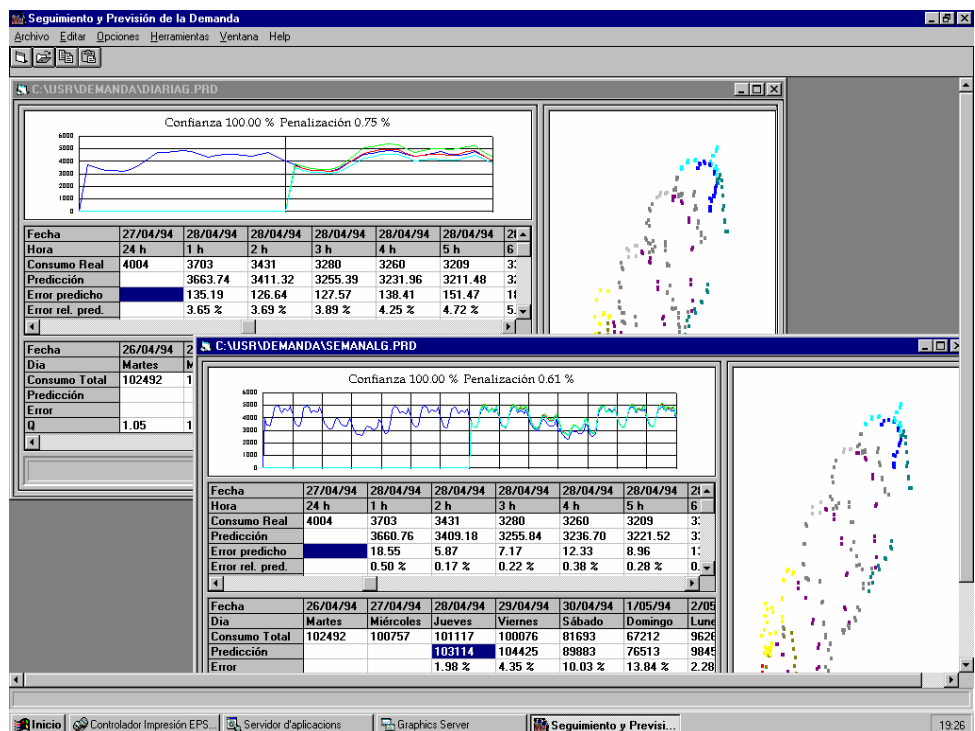
LOAD FORECAST

INTRODUCTION

The Load Forecast product is based on the association of two powerful techniques: symbolic forecasting and neural networks. This association allows the forecast result to reflect non linear effects in the time series and to take into account a priori knowledge either in the user or expert domain or built into these series.

The Load Forecast product offers the following features to planning and operations teams:

- Hourly Active or Reactive Power Demand.
- Reports for daily, weekly and monthly demand analysis.
- Local demand at substation and voltage park level.
- Real-time data interconnection (Optional).
- Editing facilities allowing user input and modifications of: hourly values, special days definition, and temperature values.
- Analysis of historical series including temperature, season and day of the week for forecasting and also for generating curves Profile Characteristics.



Multiple forecast: daily and weekly



GRUPO AIA

Transforming information into knowledge

Transforming

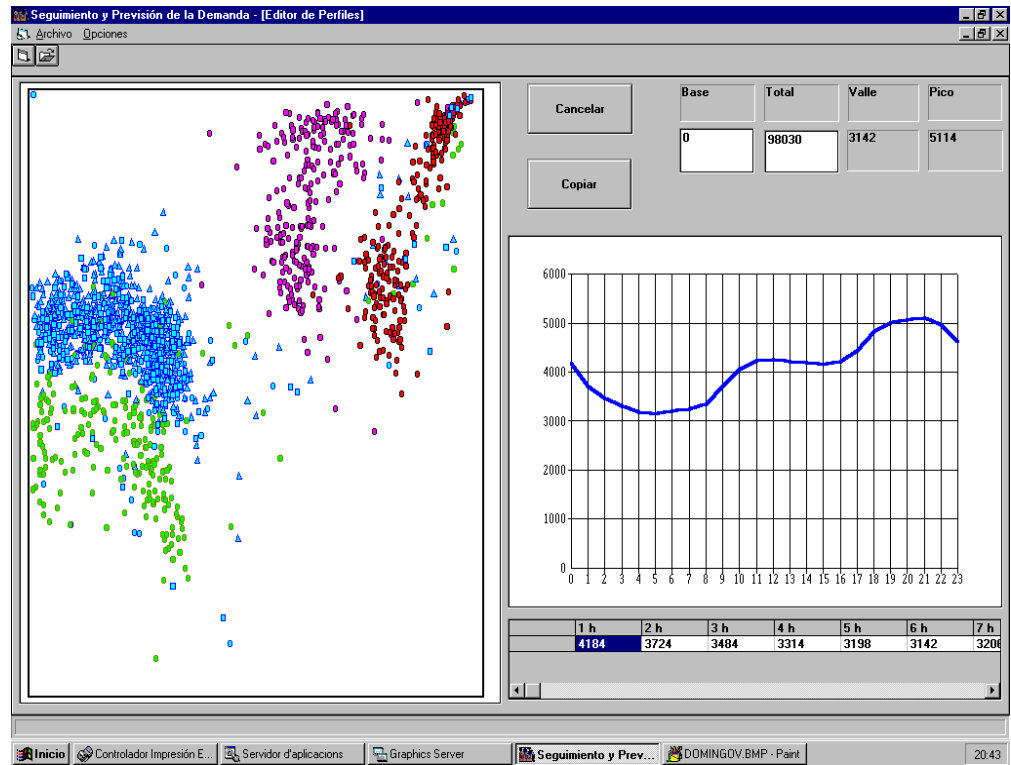
MODULES

Database Management

The system works either on a PC with a dedicated data base (e.g. ACCESS) or in a client-server environment using the TCP-IP protocol. In that case the database (e.g. ORACLE) can be accessed simultaneously by several users. Tools for updating the database are provided.

Forecast Documents

Each forecast is configured as a separate document, including information about the table used, the data range and other related properties. The interface is built using a MDI (Multiple interface document) allowing for the simultaneous viewing of several forecasts.



Hourly profile curve: Sunday winter.

HARDWARE/SOFTWARE PLATFORM

The software runs on any PC under Windows and on UNIX workstations.

ENERGY
KNOWLEDGE

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