ECProcess.
Process programming, critical path and resources
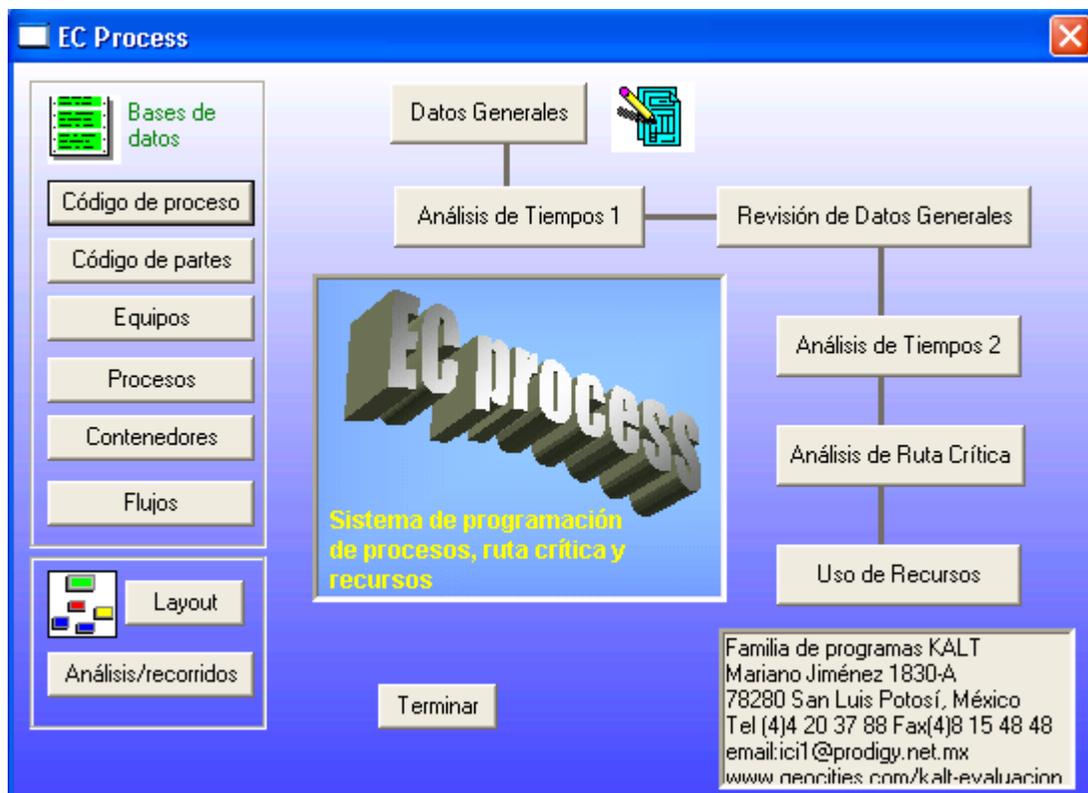
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Presentation

The ECProcess system has an experience developed since 1998. The focus of the software is the programming of discrete manufacturing processes. It as a useful tool for the industry as it will optimize its resources and time management. The system has several modules and it may be customized as needed.
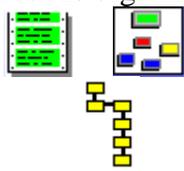
Next is the main screen of the software along with a general description of the capacity to describe the processes and tasks in a production line.

Screen descriptions of the system

1. **Entry Screen**

The screen is organized in two principal areas:

a) Database

b) Software flowchart

The database allows for the capture of data which correspond to the different elements considered in the software:

a.1) Database of a manufacturing process
- Process code
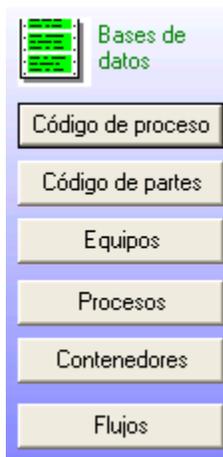- Parts code
- Equipment
- Processes
- Containers
- Flow

a.2) Information about the plant layout
- Layout
- Path analysis
- Interface to create a graphic layout

The flowchart allows us to capture the general data of the project to be analyzed and execute the steps in an orderly manner.

2. Database Screen

These buttons can be accessed from the main screen and they identify the element about to be captured or reviewed.

All the screens are organized in the same manner, they consist of an area for data capture, a window with a display of the database, buttons to be added, eliminate data and sorting options, and operations with the database. The data from the list can be captured with the text boxes on the top side of the screen.

2.1 Process Code

This screen must capture the different processes to be performed as well as its two digit code.

2.2 Parts Code

This screen is to capture the different parts or pieces to be used in the process with its corresponding two digit code.

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This is only a part of the documentation of EC-PROCESS