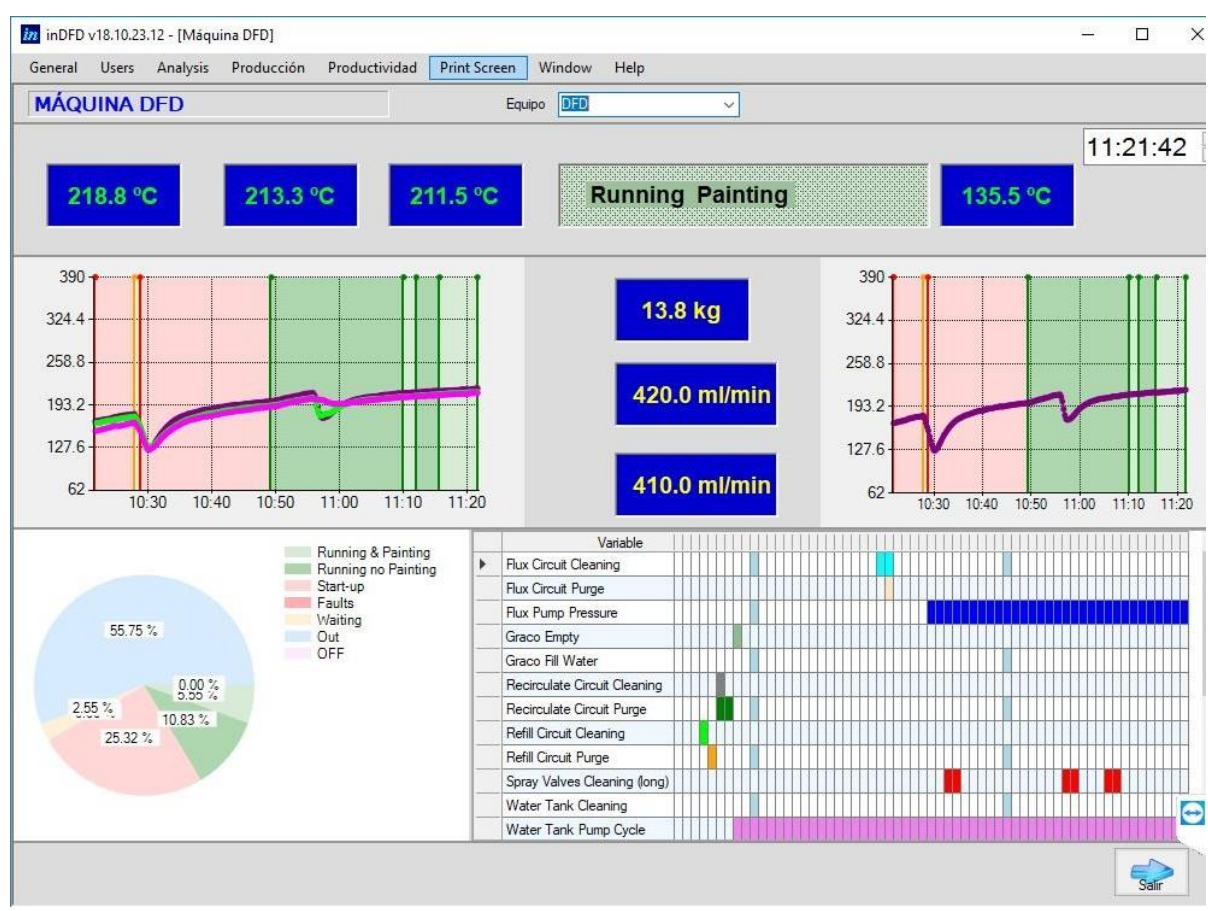# Take your DFD machine to the Industry 4.0

inPLANTA, as Reviriego's Automation Partner, and with its more than 15 years of experience developing M.E.S. (Manufacturing Execution System), shows you the new DFD data 4.0

This new hardware and software package allows you to know a lot of historical data from your DFD machine.

But data are not just data, they are contextualized information combining raw data with machine status and production information.

This information will be useful for production, maintenance and quality staff.

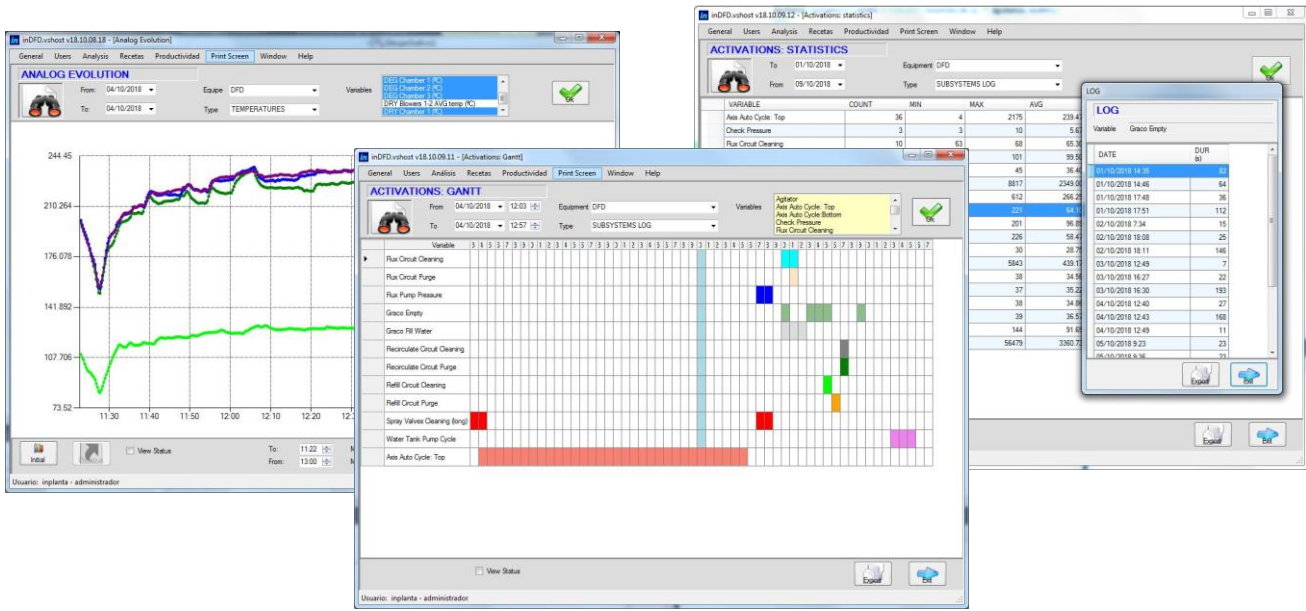All the information gathered by the system can be exported to CSV/Excel files.

Architecture

DFD data 4.0 has a client/server architecture that is flexible and can support three deployment scenarios:

- **Local**: *DataHub* is installed in machine's Box 2. This hub will connect to the network plant through the machine's NAT port or any wifi network in the plant. The client application allows the information analysis.
- **Network**: If your facility has several DFD machines, the server can be installed outside the machines in order to communicate with all of them using NAT.
- **Enterprise**: With any of the previous architectures in a facility, this version allows you to analyse the information outside the facility, by the import of a previously sent file. The import process is manual.

Analysis

The system stores data from temperatures and flows; the duration of the activation of different machine devices and the machine's alarms.

This information can be combined with the state of the machine to improve the understanding.
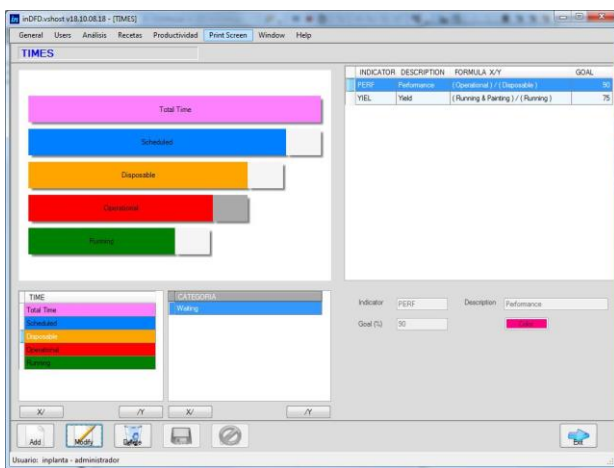
Production

The system stores all the recipes that have been under production, with start and finish date, and the flux consumption.

In the system, you can query all the parameter of the different recipes and the different versions of the same recipe.

The consumption counters are recorded into the system as same as into the machine.

Key Performance Indicators (KPIs)

Machine's states can be classified under the Time model.

DFD data 4.0