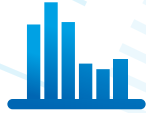
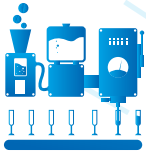


# FOOD





Panorama E<sup>2</sup> supervises grain storage in silos



Food production has made enormous strides due to technological progress and to automation in particular. Panorama is an open tool for managing special equipment, skids and food processing sites. It can operate all the specific functions and machinery used by the food industry.

#### From pallet to plate

Panorama Suite provides solutions for supervising baking, filling, in-plant conveying, the cold chain, quality control, non-destructive testing, fluids, liquids, logistics (storage /transportation / distribution), cleaning, and packaging. It offers flexibility to producers and quality to consumers at every step of the product life cycle and throughout the factory, from operator consoles on production lines all the way to the control room.

#### Multi-site, multi-function hypervision to unite your applications

Panorama E<sup>2</sup> presents a unified view of your information and helps you put your data into perspective. It can manage your communications, give you the information required to make key decisions, and improve interaction throughout your business (operations, security, recovery, maintenance, etc.). You no longer need dedicated systems: all your activities share a unified access.

#### Vendor-independent

Panorama E<sup>2</sup> is based on industry standards and norms, enabling communications with a wide range of products thereby making you independent of technology.

#### Analyze, improve, and assess your performance

Panorama Suite interfaces with your Computerized Maintenance Management System (CMMS). It prepares and sends data to the CMMS for you to schedule maintenance and boost your plant availability by supplying specific information on equipment usage. You can optimize your schedules for adding,

replacing, and commissioning equipment. Panorama HISTORIAN provides reports and key indicators to analyze your production costs, lead times, and consumption. It interfaces with your databases and recovers key values for you to optimize your production strategy. Using the dashboards created with Panorama HISTORIAN to assess the performance of your plant and equipment.

#### FDA ready

The intrinsic qualities of Panorama E<sup>2</sup> have won widespread acclaim for its technical capabilities. The software suite meets all FDA requirements. Codra has customers in the food and pharmaceutical industries with FDA-certified factories. Many of our customers choose Panorama E<sup>2</sup> knowing they can quickly obtain this certification.

#### Batch management

Managing production information is vital in many industries, and Panorama provides concrete solutions. You can use built-in features or write your own custom applications to manage batches exactly as you require.

#### Recipes

Panorama includes a feature to manage recipes, as they are often required in industrial applications. They let you vary production according to your needs and quickly calibrate your output to your operating constraints (such as inventory, orders, and maintenance).

#### Traceability and securing data

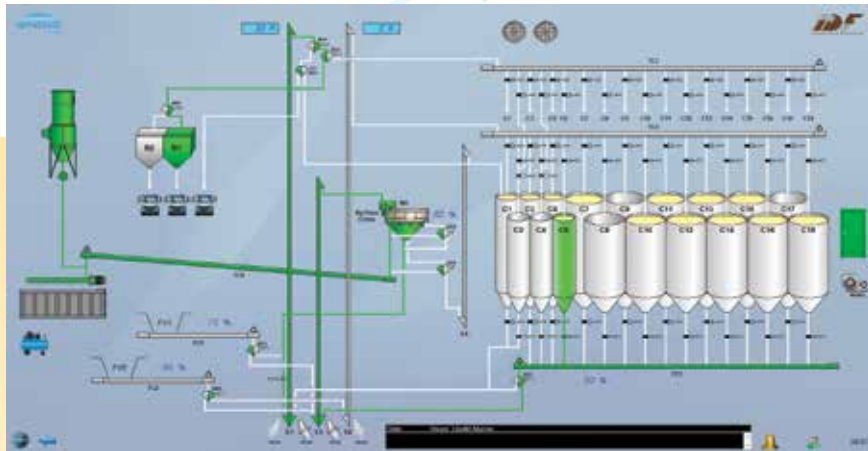
Panorama records all your data and can protect it using either mechanisms within Panorama or external ones. You can secure your data by applying usage rules, and according to your architecture and constraints.



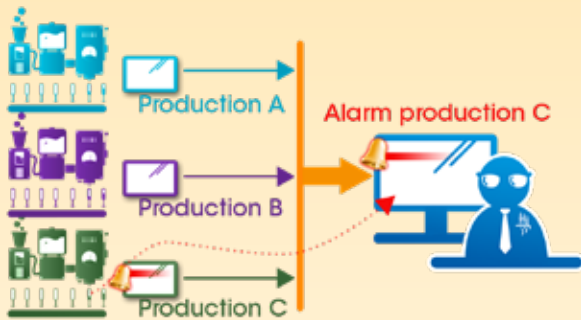




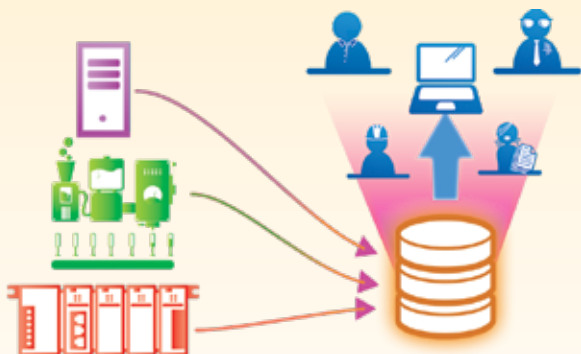
Grain turning operation  
IDF Sud



## Alarms received directly by the Quality Manager



## Data centralization



View of an operator console



Automated measurement and control

Panorama Suite offers all the functions required to manage and control your facilities :

- > Multiple industries, multiple devices,
- > Flexible, custom control,
- > Acquisition and recording,
- > Alarms and events,
- > Reports for improved plant administration,
- > Recipes,
- > FDA ready,
- > Batch management.

Flexible, reliable architecture / seamless integration with your information system :

- > From stand-alone workstations to multi-server systems with multi-level redundancy,
- > Connection with centralized databases,
- > Links to your user directory,
- > Computer center operation on a virtual machine.

Remote access via mobile devices (tablets, smartphones, HTML5 based web clients) or via desktop PCs.



Batch



Certification





Panorama provides solutions at every step of the production line, from operator consoles on the shop floor to the control room

## References

### Beverages and alcohol

Moët & Chandon • Nicolas Feuillatte • Nestlé Waters • Perrier • Vittel •

### Inputs/Seeds

Boyer • Euralis Semences • IDF SUD • INRA •

### Agricultural/logistical equipment

John Deere • Vanderlande • May Group •

### Processed foods

Akiolis • Danone • Cema • Kraft Jacobs Suchard • Nestlé • Wild •

Codra Software Limited  
Adamson House, Towers Business Park,  
Wilmslow Road, Didsbury - Manchester M20 2YY - UK  
Tel : +44 (0)161 9554200  
E-Mail : sales-panorama@codra.fr - codra.net

The information in this document is provided for information only and is not binding. Codra reserves the right to change the document at any time without warning.  
All brands are the property of their respective owners.  
Royalty license : Engie Ineo / IDF Sud © 2020