

CASE STUDY FOOD&BEVERAGE

SOREAL

Soreal was acquired by the **Ydeo Group** on December 22nd, 2021.

Ydeo is an independent industrial family group owned by manager Benoit Fretin and his family.

In almost 25 years, the Ydeo industrial group has become a major player in the life-science, wellness and agri-food sectors.

The group bases its expertise on 5 companies:

- » **Hydrachim**, specialized in the production and marketing of hygiene and disinfection products suitable for communities, livestock and industry.
- » **Hydrapro**, company expert in the creation and production of powders, pebbles and tablets for the treatment of your swimming-pool. Its markets are: public and private swimming pools, large distribution, hypermarkets in the DIY sector, specialized wholesalers, swimming pool retailers.
- » **France Culinaire Développement**, specialized in the design and production of aromatic specialties, functional blends intended for agri-food producers, rhd distributors and culinary preparations targeted at healthcare facilities, retirement homes, nursing homes, etc. marketed through the health and nutrition lines.
- » **Kemix**, a company specializing in the design and production of e-liquids for electronic cigarettes with customer brands, creator of mdd.
- » these companies have now been joined by **Soreal**, specialized in the production of sauces for the professional catering and snacking markets, as well as for the food distribution and food industry.

Some key figures for 2020:

- » 104 M€ turnover, of which 2,356 K€ from export
- » 400 employees

- » 6 production units in France (including Soreal)
- » 3 dedicated logistic bases in France for products distribution to customers
- » 1 sales office in Poland.

PROJECT

Soreal decides to complete its software architecture with an MES dedicated to monitoring production line performances. The goal is to monitor the performances. With the growth of the business, it was necessary to improve traceability and consolidate data in order to better analyze them. In 2012, Soreal installed the Microsoft Navision ERP application. In 2017, the company expanded its historic site in Brie to 1,300 m², increasing its production capacity and the amount of items handled. The objective is to optimize the performance of the assembly initially followed by a traditional paper-based system. «We needed to identify objective and precise parameters for each production line and operator» says Kevin Cruchon, Director of Production.

SOLUTION

«The ability to provide both software and touch panels has strongly influenced the final decision, as the geographic proximity of the vendor did» he admits. The sedApta solution equips a total of 4 production lines and 16 dedicated packaging lines.

The MES made it possible to achieve the following project objectives:

- » Monitoring of all manufactured parts
- » Understand machine downtimes
- » Provide a high-quality rate



COMPANY
SOREAL



INDUSTRY
FOOD & BEVERAGE



SIZE
2 PRODUCTION PLANTS IN
FRANCE AND EGYPT
-160 EMPLOYEES



TURNOVER
29 MNL € (2019)



SEDAPTA MODULES
MES



- » Increase performance to achieve a desired TRS (Synthetic Rate of Return).

sedApta also created a maintenance module to monitor breakdowns, the main causes of TRS degradation. The MES was implemented in a phased manner, line by line and function by function. Eight 15-inch touchscreens, located inside insulated caissons, were also installed at the Soreal plant in Brie to monitor 20 machines and 12 DAMs (Data Acquisition Modules). From January to July 2018, a test line equipped with an electrical pulse sensor was made operational, for product counting and automatic stop detection.

«This phase allowed us to adjust the parameterization, to position the sensor in the most relevant location and to identify the shutdown causes» says Kévin Cruchon. The installation of the eight 15-inch touchscreens was followed by the placement of sensors positioned at specific locations.

The information is transmitted via wired Ethernet communication to a local database, is accessible from the MES, and can be exported in a format to allow it to be reprocessed for further analysis. Thus objectified, the TRS (Synthetic Rate of Return) is reliable and common to all hierarchical levels, from laboratory to management. On the screen, the operator finds the information related to the manufacturing order and its specific objectives. The visualization is customizable. From the same terminal, it is possible to qualify the reasons for any stoppage.

«It's an enhancement of your expertise. The faults are precisely characterized and working becomes more interesting. Especially since we have been working on management in parallel»

assures Kevin Cruchon. The performance indicators are displayed and commented on with the teams at J+1 and weekly.

BENEFITS

The MES facilitates decision-making thanks to the reception of a supervisor, the complete traceability of production and the reliability of information.

«With this digital tool, the operator's work is enhanced and his job more interesting» indicates Kevin Cruchon - Director of Production.

«Performance data now truly advances the plant. They allow us to know where we are and how to and how to improve, in relation to commercial and industrial development» adds Kevin Cruchon. Soreal plans to integrate the sedApta MES planning and quality modules with the ambition of aiming to zero paper use in laboratories.

