



# AUTOMATION SYSTEMS

PROCESS CONTROL AND AUTOMATION

SISTEMI DI AUTOMAZIONE

Powered by EntSORGA

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ENTSORGA HAS DEVELOPED A **COMPLETE SUITE OF PROPRIETARY SOFTWARE** TO ALLOW AN **EFFECTIVE HIGHLY AUTOMATED PROCESS MANAGEMENT AND CONTROL** FOR ALL ITS TECHNOLOGY PLATFORMS.

EASY TO IMPLEMENT AND TO USE, ENTSORGA'S SOFTWARE SOLUTION ALLOW ACHIEVING **MAXIMUM PROCESS EFFICIENCIES** AND GUARANTEE A **CONTINUOUS ON SITE AND REMOTE MONITORING AND CONTROL**.

**ENTSORGA**  
GREEN TECHNOLOGY REVOLUTION



ALL ENTSORGA TECHNOLOGIES ARE BASED ON **HIGH LEVEL OF AUTOMATION** AND CAN BE EFFECTIVELY MANAGED BY PROPRIETARY CONTROL SYSTEMS GUARANTEEING **MAXIMUM EFFICIENCY, SAFETY AND RELIABILITY OF OPERATIONS. FLEXIBLE AND EASILY ADAPTABLE** TO DIFFERENT PLANT NEEDS, OUR SYSTEMS ALLOW TO MONITOR IN REAL-TIME ALL THE PROCESS PARAMETERS, **OPTIMIZING THE PERFORMANCE** OF THE SYSTEMS AND ENSURING OUTSTANDING RESULTS FOR PLANT OPERATIONS AND PROCESS PERFORMANCE.

## MAIN FEATURES

EntSORGA's proprietary software automatically manages:

- 1. Bio-oxidation treatments**, monitoring and optimizing the parameters (temperature, time, quantity, wetting cycles, air flow, door opening and closing)
- 2. Filtering systems**, optimizing temperature and humidity
- 3. Mechanical handling, feeding, refining and material selection treatments**, allowing to control process capacity and adjusting the data according to the operational needs of each plant, to ensure maximum efficiency and continuity of operations, H24 and 7 days a week.

EntSORGA's proprietary software also allows to collect **complete sets of information** on production data, consumptions, equipment operations and usage, or wear of the systems, also allowing remote intervention to prevent or resolve any malfunctions and optimize plant costs and performance.

## STRENGTHS

- **reduction of energy costs**
- **system performance optimization**
- maximum **equipment reliability** and **minimization of human errors**
- **lower fixed** labor and maintenance costs
- **increased work safety**, without exposing operators to process areas
- **quick installation and ease of use**, even for inexperienced operators
- **programming flexibility**, according to the specific requests
- **process control and real-time monitoring** of plant operating data
- **traceability of production lots** and automatic quality control
- **remote assistance**

1. AUTOMATIC FORCED VENTILATION SYSTEM



2. AUTOMATIC BIOFILTER MANAGEMENT SYSTEM



3. AUTOMATIC BRIDGE/Crane HANDLING SYSTEM



## APPLICATIONS

EntSORGA's control systems are used in all treatment plants:

- **COMPOSTING** the organic waste, digestate and sludges
- **BIOSTABILIZATION** of waste before landfilling
- **BIODRYING** of waste and biomass and subsequent production of Solid Recovered Fuel (SRF)
- **ANAEROBIC DIGESTION** preprocessing for material handling in the receiving area



COMPOSTING SOLUTIONS



ANAEROBIC DIGESTION



BIODRYING AND PRODUCTION OF SRF



BIOSTABILIZATION

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