



WASTE TREATMENT APPLICATIONS

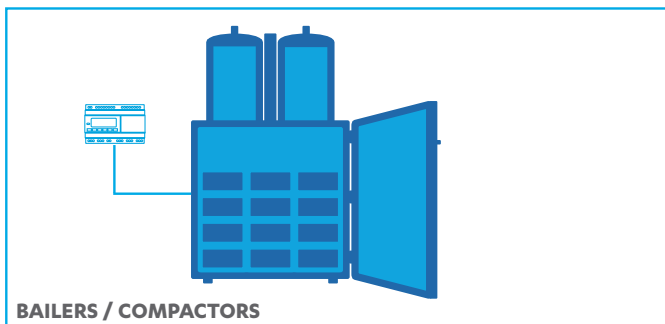
With **em4**, Crouzet Automation offers automated systems ideally suited to the waste treatment market, due to a unique combination of features: exceptional performance, precision analog I/O and simplified embedded connectivity.

TARGETS

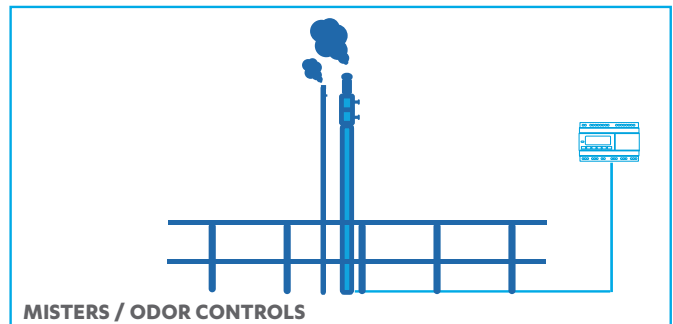
› Manufacturers and users of equipment in the identified key applications

APPLICATIONS

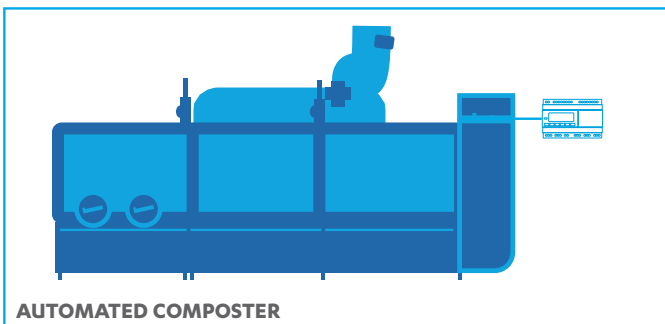
Of the various waste treatment applications, Crouzet Automation has identified four major applications for which **em4** is particularly suitable.



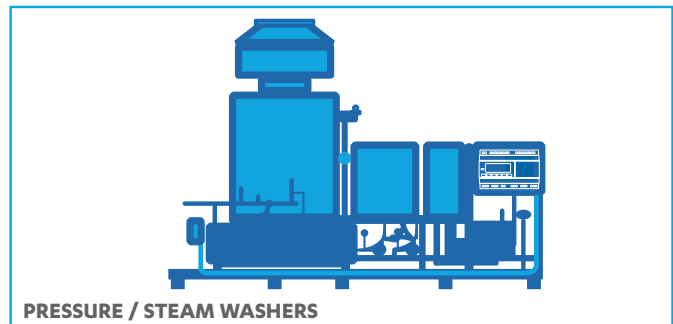
BAILERS / COMPACTORS



MISTERS / ODOR CONTROLS



AUTOMATED COMPOSTER



PRESSURE / STEAM WASHERS

FUNCTIONS

1 CONTROL

- › Motors, valves, heaters and control pumps
- › Time of day events
- › Indicator lights
- › Auto start-up and stop

2 MEASUREMENT

- › Fluid levels
- › Hydraulic pressure
- › Temperature, pressure and tank levels

3 MONITORING

- › Aeration and humidity
- › Limit and door switches and push buttons
- › Overloads

4 DATALOG

- › Data archiving (pressure, temperature)
- › Historical logging of running and stopping times

em4 FOR WASTE TREATMENT

The em4 range offers solutions tailored to different types of needs such as complete management of a remote fleet, monitoring of one or more installations or local management.



em4 remote

The first all-in-one solution to bring your application into the Internet of Things

- > First PLC capable of fleet management including map localization
- > Highly secured solution, using e-banking practices and infrastructure
- > Only one device to program via a unique software, em4 soft

Connectivity technology

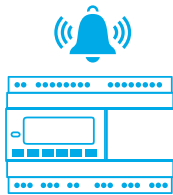


Management of remote fleets without adding external modules

- Inter-site communication between the machines/devices and users
- Application programs can be remotely released from anywhere
- Optimization of maintenance costs with monitoring services

em4 toolbox

em4 soft em4 web em4 app



em4 alert

Nano-PLC that can alert you via SMS or email

- > Only one device to program via a unique software, em4 soft
- > Needs only GSM network to operate (SMS)
- > From a unique and trusted supplier
- > Secured solution, only users identified in the PLC can interact

Connectivity technology

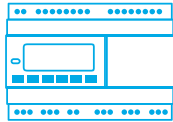


Monitoring via SMS or email

- Machines/devices send alerts if an event occurs
- Receipt of datalogs
- User can remotely change parameters in the application program
- Messages with data can be exchanged between different machines

em4 toolbox

em4 soft



em4 local

The em4 for stand alone use or local area network

- > The most compact and powerful of its category
- > Includes highly accurate 4-20mA analog inputs for industrial sensors
- > Attractive design for an easier integration

Connectivity technology



Local management of pressure / steam washers

- Simple intuitive programming with em4 soft, with the option of importing M3 Soft programs
- Installation upgraded throughout its life cycle thanks to a high-performance nano-PLC

em4 toolbox

em4 soft

<p>Stand alone PLC</p> <p>em4 soft The most intuitive PLC programming software</p>	<p>Usuable where 2G (GPRS) cellular network is available</p> <p>em4 web Web platform to get full access to your equipment</p>	<p>Usuable where 3G or 2G cellular network is available</p> <p>em4 app Mobile app, to access your equipment on the go</p>	<p>Ethernet for local connection, Internet access needed for em4 remote</p>
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ABOUT CROUZET AUTOMATION

Supported by an experienced technical team, Crouzet Automation is a pioneer in the simplification of programming. The brand offers the easiest-to-use and most adaptable alternative automation solution for specialized and demanding needs. Crouzet Automation is a brand of InnoVista Sensors™.

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Thanks to the recognized expertise of its teams and a strong innovation policy, InnoVista Sensors™ brings performance enhancing solutions to its customers worldwide.

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