

industrial and
environmental design



“

*experience and flexibility
to serve the environment*

”



High technology

Each plant designed by Smea Engineering is the result of decades of experience gained by our skilled professionals, able to provide a high-level technological know-how and create processes that meet the highest technical and environmental requirements.



Tailor-made solutions

Smea's corporate structure, agile and flexible, provides the customer with the maximum chance of customization, designing the plant with a particular regard to the specific needs.

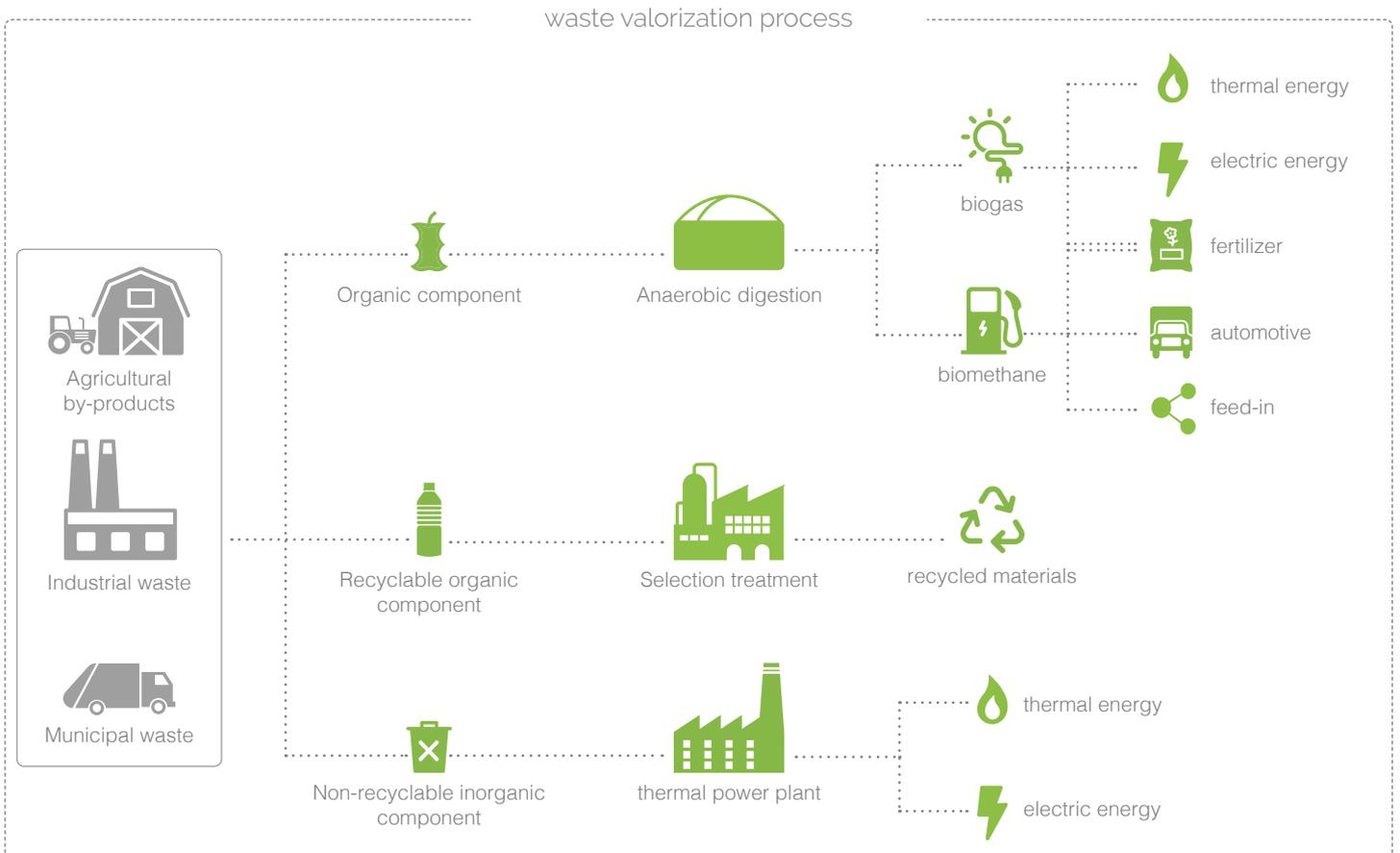


Low emissions

The plants designed by Smea Engineering ensure very high levels of quality in terms of water and air purification, reaching emission levels well below the limits imposed by law, respecting the environment and encouraging renewable sources.

Energy

From natural resources to technological progress. Smea Engineering value the strategic factor of the future with a significant know-how and many years of experience.



Biogas power plants

The process allows, through anaerobic fermentation of organic waste, to extract a fuel capable of generating heat and electricity benefiting the planned national incentives.



Biomethane and OFMSW plants

Through a careful selection of industrial and civil wastes is possible to isolate the organic component and turn it into biomethane, a gas that can be used for automotive and grid feed.



Biomass and Thermal power plants

Wastes that cannot be recycled and that would be discharged in landfills harming the environment, can be enhanced through very low emission power plants producing power and heat for the community.



Enviroment

The respect for nature comes through details that make the difference. In the depuration context, Smea Engineering gets every day important confirmations.

Fume treatment plants

The flue gas purification systems designed by Smea allows a huge pollution removal, fixing the emissions level well below the limits imposed by law.



Sludge treatment plants

The sludges resulting from industrial processes or from water purification do not end their usefulness, but can be converted into effective fertilizer for agricultural use.

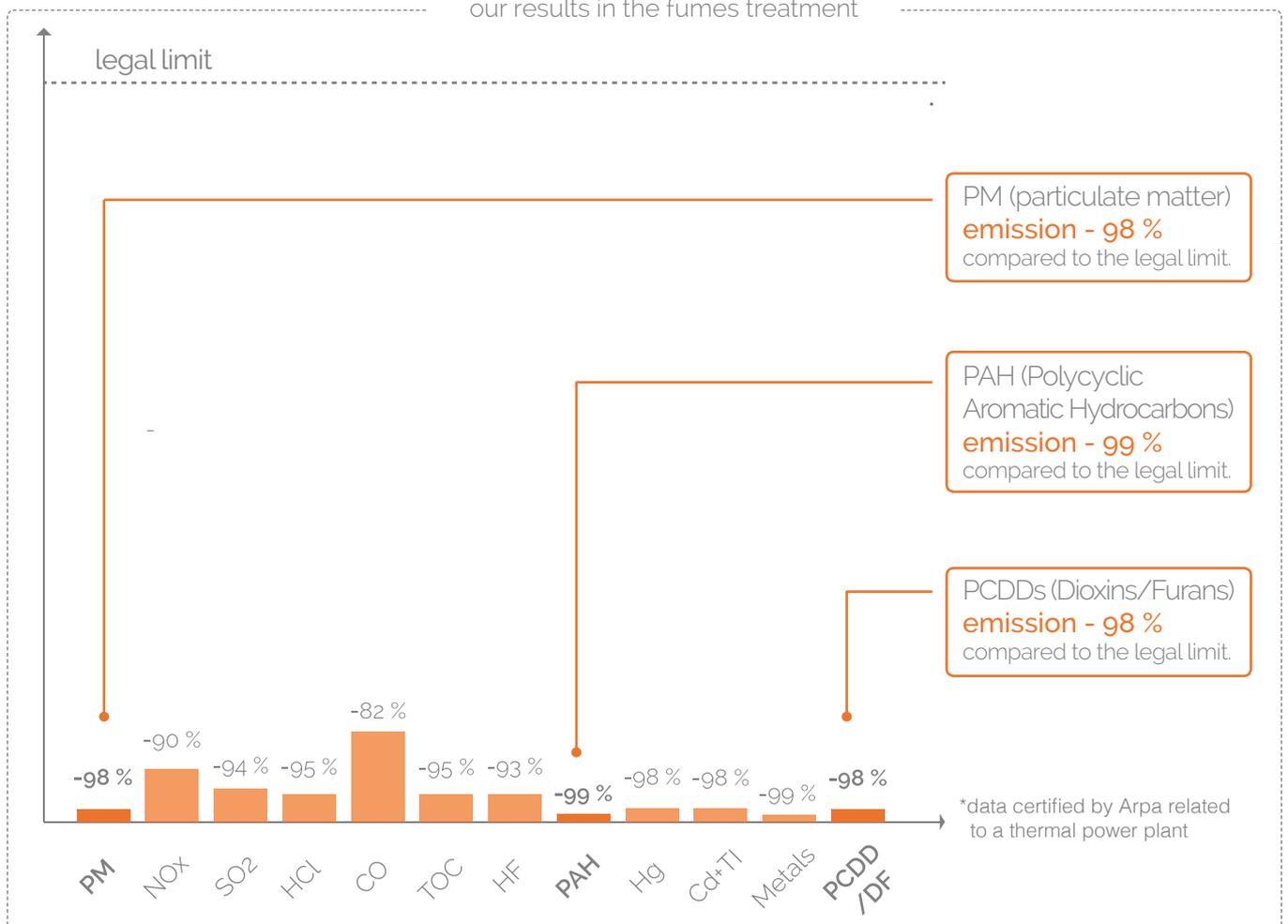


Civil and industrial water treatment plants

An effective wastewater treatment is a top priority in terms of environmental respect. Smea offers reliable and eco-friendly solutions tailored to the specific conditions required.



our results in the fumes treatment



Design

A 360 degrees assistance. Smea Engineering provides design and consulting regarding all the ancillary components in order to make the plant work perfectly.

Structures

–
Condensers, tanks, steel structures, industrial sheds, reinforced concrete tanks. The entire civil design made by specialists.



Ancillary services

–
Electrical systems, fire prevention systems, heating and air conditioning equipment: all the components and accessories designed according to the specific needs.



Production plants

–
Design and optimization of industrial processes related in particular to distilleries through alcohol and tartrate recovery systems for food and beverage purposes.



Plants worldwide

Smea Engineering boasts the design and construction of numerous plants nationally and internationally, ranging from Europe to Asia, Africa and Latin America

Chile

Vinicas s.r.l.



Project for the construction of a wastewater treatment for the distillery. The plant is composed by a two-stage anaerobic digestion process combined with a sludge separation system performed through flotation.

Spain

Alvinesa Alcoholera Vinicola



It is the largest Spanish distillery. In this plant, Smea made digesters for the stillage stabilization, allowing the production of renewable energy from biogas respecting the environment.

Nigeria

Ecotrade



Project for the construction of a biogas power plant. It has been realized also a water purification plant including anaerobic digestion for the already existing distillery.

Italy

Most important Italian distilleries



Design of the various industrial and energetic applications at the service of the major national distilleries: biogas plants, water purification plants, flue gas and sludge treatment systems, industrial and civil waste energy recovery, drying systems and greenhouses.



www.smea-srl.com

Via Tabellione Lorenzo 1
47891 San Marino (RSM)



tel. (+378) 0549 904547
fax. (+378) 0549 953530



info@smea-srl.com
www.smea-srl.com

