

WASTE MANAGEMENT

KEY INFO IN

10
POINTS

1

▶ MORE RECYCLING, LESS CO₂

The recycling industry in France reduced waste emissions by 22.5 million tonnes CO₂eq in 2014, equivalent to taking 9.6 million vehicles off the roads over the course of the year, and also saved 124 TWh of primary energy, enough to power 80% of French homes. (French Recycling Federation FEDEREC & French Environment and Energy Management Agency ADEME, 2017)

2

▶ 125,000 JOBS IN THE INDUSTRY

In 2014, there were nearly 125,500 people employed in waste management or remediation in France, a figure up 25% in 10 years. (ADEME, 2017)

3

▶ WASTE-CONSCIOUS FRENCH

Forty-two million French residents were covered by a local waste prevention program in 2015. (ADEME, 2016)

4

▶ 73% OF MUNICIPAL WASTE RE-USED

Seventy-three percent of French municipal waste in 2013 was either recovered or converted into energy or organic matter (compost, anaerobic digestion, mechanical biological treatment), up from 53% in 2000. (French Ministry for the Ecological and Inclusive Transition, 2015)

5

▶ FUTURE PLANS

France's innovation clusters have been spearheading a number of waste sorting and recycling projects. These include initiatives to develop new products from cast-off furniture (Team2 cluster), recycle polyolefins, including those that come into direct contact with food (Plastipolis, Axelera and Trimatec clusters), and convert sewage sludge into gas (Eau cluster).

6

▶ INNOVATIVE STARTUPS FOR SORTING AND COLLECTING

Paris-based firm Hyphen Pro offers competitively priced waste disposal services to businesses through an app that optimizes collection journeys, while another startup based near Paris, Lemon Tri, focuses on recycling plastic glasses, bottles and tin cans using energy-efficient sorting machines.

7

▶ 'LA FRENCH TECH' WELCOMES FOREIGN STARTUPS

German/Indian startup Oorja Development Solutions Ltd. is one of the 70 winners in the second season of the 'French Tech Ticket', after developing a concept aiming to convert agricultural waste into clean energy as a solution to fuel poverty and climate change.



8

▶ SMART WASTE CONTAINERS

Green CREATIVE has come up with an innovative solution to help manufacturers recycle waste, creating a smart, connected container – R3D3 – that sorts then crushes tin cans as well as plastic glasses and bottles. Sorting has never been easier or more fun!

9


▶ A MACHINE TO RECYCLE PLASTIC GLASSES

French firm CANIBAL has created a world-first, patented machine that sorts cans and makes new hybrid plastic, Caniplac, from plastic glasses and bottles.



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▶ FRENCH FIRMS ABROAD

Waste management is a major green technology sector in France, with numerous businesses, including market and global leaders Veolia and SUEZ Environnement, as well as VINCI Environnement and CNIM in the energy recovery field, optical sorting specialist Pellenc ST, and various industrial waste specialists, such as MTB Recycling, CHIMIREC, PRECIMECA and Innoveox.



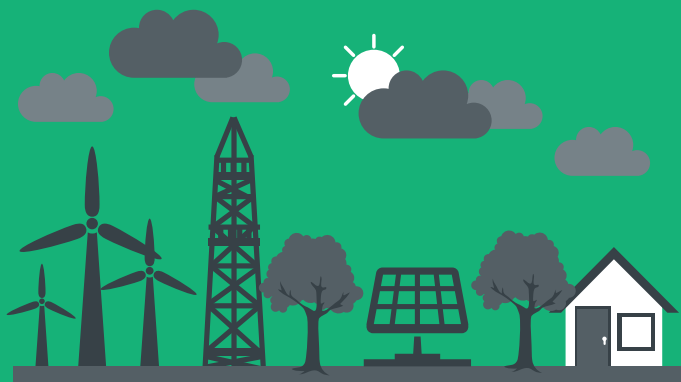
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#3 PRODUCER OF RENEWABLE ENERGIES IN EUROPE



(EUROSTAT)

-22.5 Mt

CO₂EQ FALL IN EMISSIONS
DUE TO RECYCLING



(FEDEREC ; ADEME, 2017)

A stylized map of France is shown in a dark blue color. Overlaid on the map is a white recycling symbol (three chasing arrows forming a triangle) with a white leaf icon positioned at the bottom left of the triangle.

73%

**OF MUNICIPAL WASTE IN FRANCE
IS RECOVERED**

**(FRENCH MINISTRY FOR THE ECOLOGICAL
AND INCLUSIVE TRANSITION, 2015)**



125,000

**JOBS IN WASTE MANAGEMENT
AND REMEDIATION IN FRANCE**

(ADEME, 2017)