



EUROPEAN SUPPLIERS
OF WASTE-TO-ENERGY
TECHNOLOGY

WASTE-TO-ENERGY 2050

CLEAN TECHNOLOGIES FOR SUSTAINABLE WASTE MANAGEMENT

OUR VISION 2050

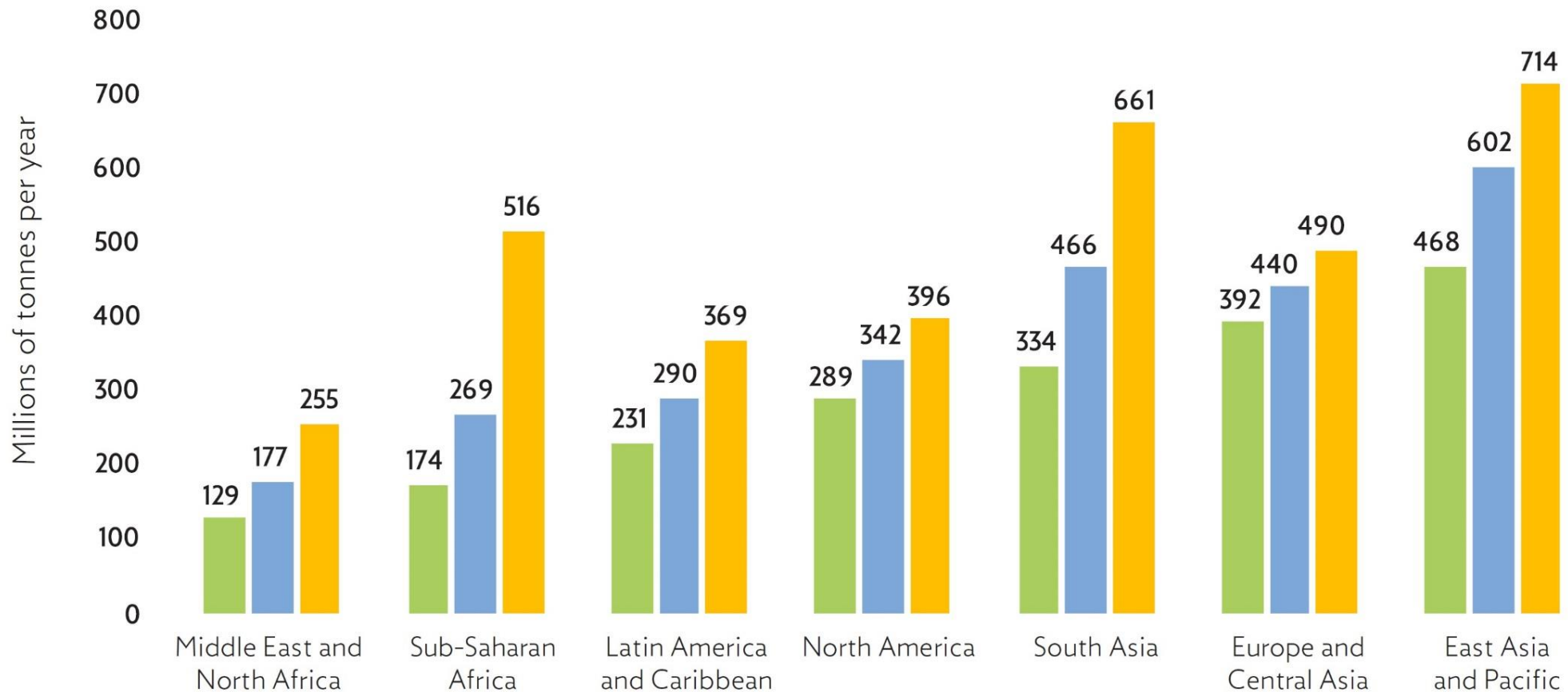
Modern plants integrated with community services will be able to treat non-recyclable waste in a sustainable way, generating renewable energy and recovering materials, supporting a low-carbon circular economy.

Waste is a global problem

Projected waste generation by region

2016 2030 2050

Source: World Bank report "What a Waste 2.0".



2019

70% of
waste
generated
worldwide
is dumped!

2050

Global waste
generation
will increase
by around
60%

WASTE CHALLENGES MUST BE SOLVED GLOBALLY

Sound waste management technologies including Waste-to-Energy need to be rolled out globally to improve recycling and recovery and reduce dumpsites.

How to Solve Global Waste Challenges?

1)

Moving from a waste
management logic to
a waste and resource
management one

How to Solve Global Waste Challenges?

2)

Bearing in mind the
contribution of
Waste-to-Energy to
the treatment of
residual waste

What is residual waste?

Waste which is not fit for re-use or recycling and would otherwise be landfilled.

Waste-to-Energy plants

- Generate renewable energy
- Produce secondary raw materials
- Contribute to high quality recycling
- Reduce GHG emissions
- Have very low emissions



How Waste-to-Energy contributes towards a resource efficient Europe

1) Hygienisation

2) Energy Recovery

3) Material Recovery

How Waste-to-Energy is a carbon sink for the waste sector

- 1) Landfill diversion
- 2) Reduced extraction of primary raw materials
- 3) Carbon capture, utilisation and storage

HYGIENISATION



How can policy help us jump into the future?

1) A sound and realistic waste management policy

- The waste hierarchy is the enabler of sound waste management policies
- Waste-to-Energy is the preferred treatment option for residual waste
- Landfilling should be minimised to the amount strictly necessary

How can policy help us jump into the future?

2) A clean and safe circular economy

- Increase trust in recycled products by setting transparent quality criteria
- Enable the recovery of waste for specific uses

How can policy help us jump into the future?

3) A low-carbon circular economy

- Recognise the value of Waste-to-Energy for climate change mitigation

How can policy help us jump into the future?

4) A modern, global, integrated waste management system

- Recognise Waste-to-Energy as a sustainable waste management option
- Support the export of sound waste management technologies including Waste-to-Energy

