



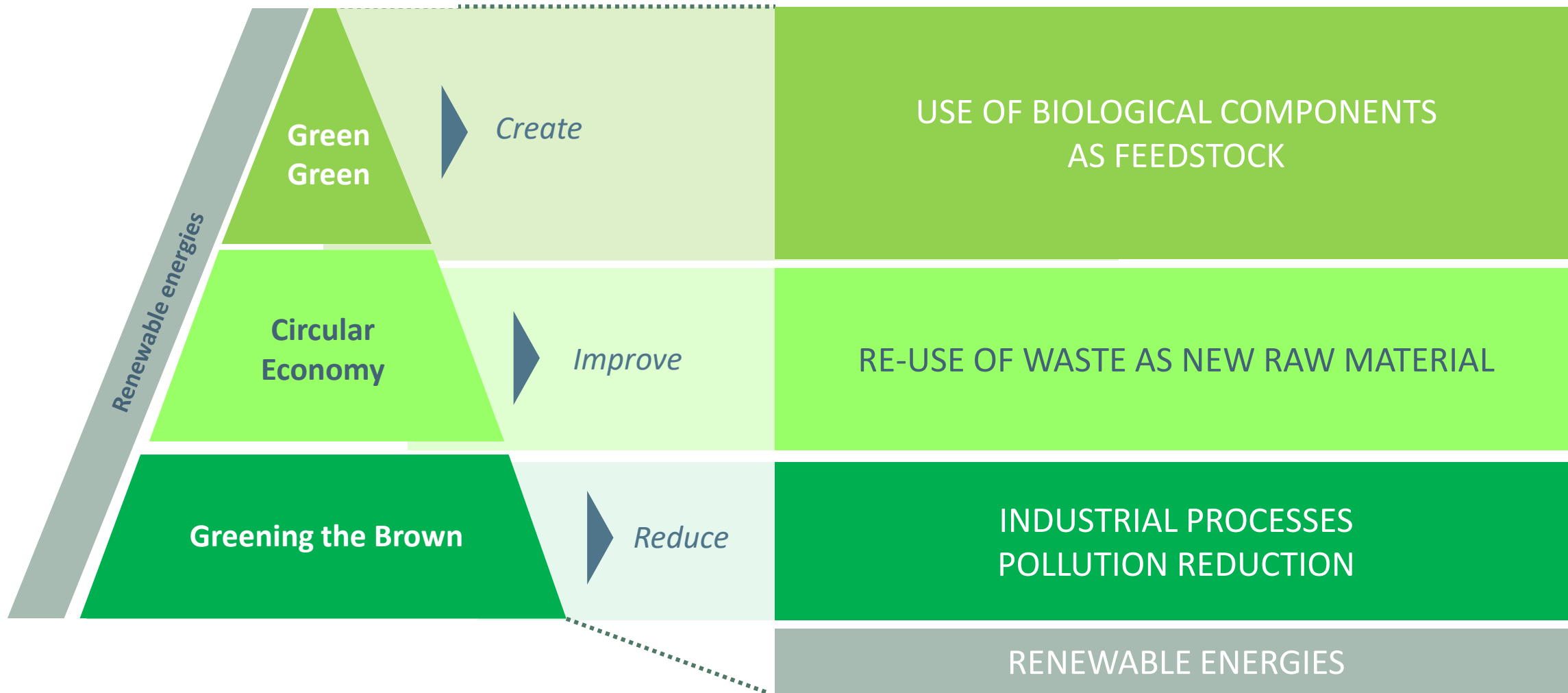
OUR ROADMAP TO ENERGY TRANSITION

Gaetano Iaquaniello
Chairman



NEXCHEM ROADMAP TO ENERGY TRANSITION

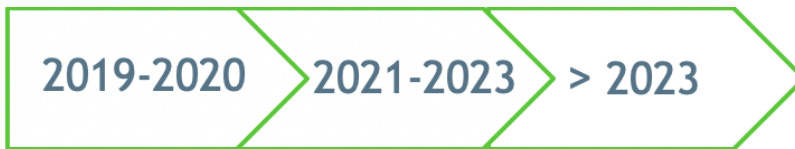
MARKET FRAMEWORK





NEXTCHEM MAIN INITIATIVES

DEVELOPMENT
TIMELINE

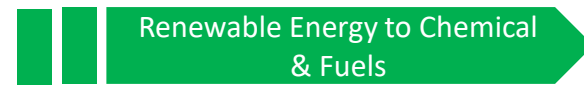


Greening the Brown



POWER to CHEMICALS

High efficiency technology for the **conversion of Electricity in Hydrogen** (first step) and/or direct production of **Fuels** (second step).



ENABLING NATURAL GAS Industry

Technologies for the exploitation of Natural Gas field at high Sour gas contents

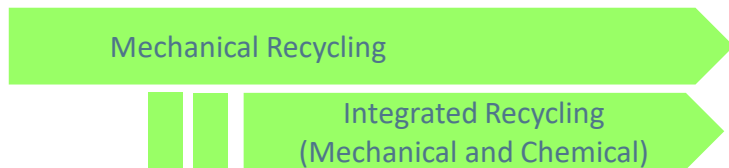


Circular Economy



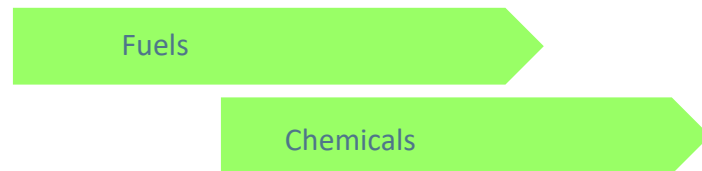
Recycling

Upcycling of Plastic waste in High Value Polymers



Waste to Fuels and Chemicals

Utilization of **low costs waste** for production of Fuels and Chemicals



Green Green



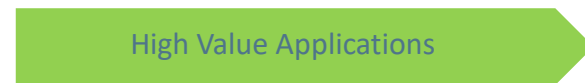
Bio-Fuels

Production of **second generation Bio-Fuels** and **Renewable fuels** from biogenic feed-stocks



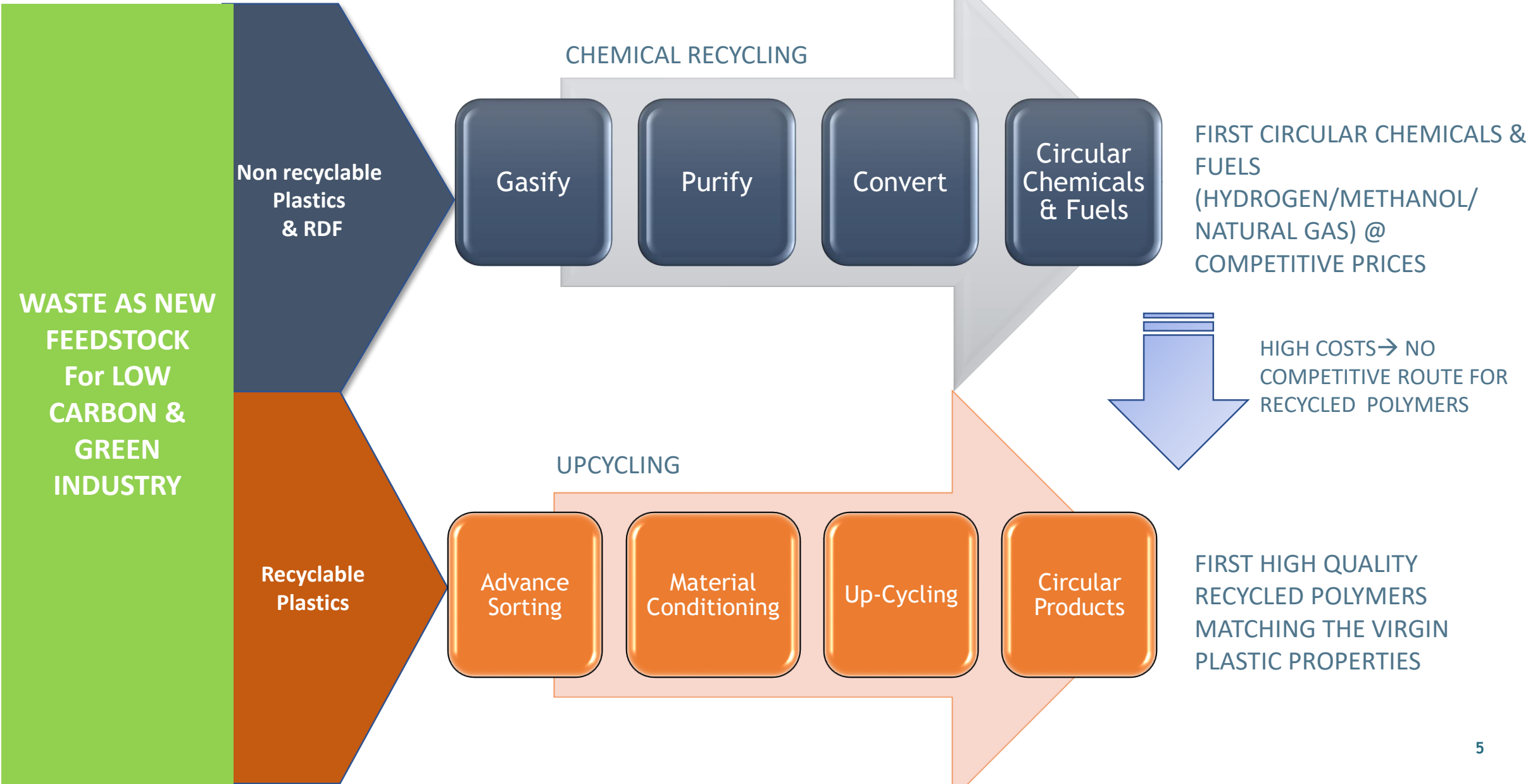
Bio-Polymers

Production of **high value Bio-Polymer** from Renewable Resources

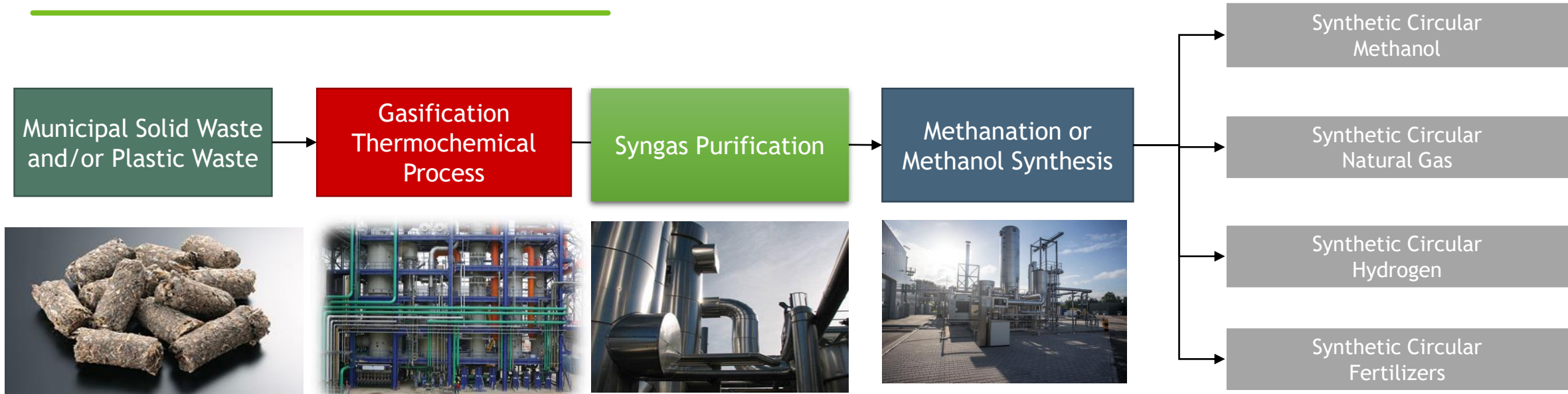




WASTE AS NEW FEEDSTOCK/FOCUS TO THE PRODUCTS



NON RECYCLABLE PLASTIC WASTE TO CIRCULAR FUELS



Gasification of the Waste
Waste are converted in Syngas


Syngas Purification
Syngas quenching, purification ready to conversion

Renewable fuels conversion
CO and H₂ coming from gasification are fixed into:

1. Circular Methanol via Methanol Conversion
2. Circular Natural Gas via Methanation
3. Circular Hydrogen
4. Circular Fertilizers



Refuse derived fuel (RDF) or Non Recyclable Plastics Gate Fees

A microscopic view of numerous small, spherical, blue-tinted structures, possibly cells or bubbles, against a darker blue background. The structures are scattered throughout the frame, with some appearing more prominent than others.

**WASTE TO HYDROGEN:
NEXTCHEM STARTING EXECUTION PHASE FOR
ENI VENICE BIO-REFINERY.**



NextChem S.r.l

Sede Legale:
via Guido Polidoro 1,
67100 L'Aquila, Italia
T +39 0862 763411
F +39 0862 763547

Sede Operativa:
Via di Vannina 88/94,
00156 Roma, Italia
T +39 06 9356771

www.nextchem.it

