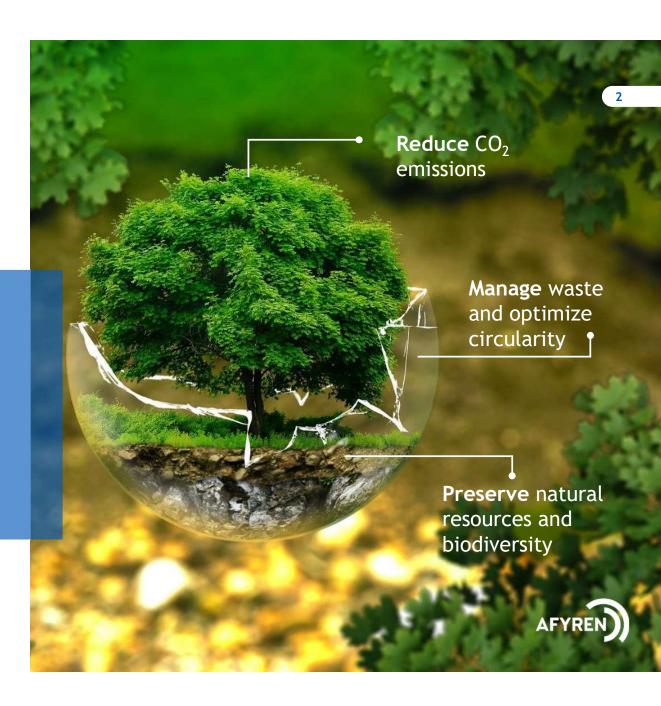


Bioproduction: several solutions. AFYREN: from start-up to industrialization Jérémy Pessiot, Managing Director, CTO and co founder



AFYREN brings solutions to global challenges through its biobased organic acids

- Limited resources:
 - 1.7 planet to meet our global resource needs
- Global Warming:
 - +3C° by the end of the century
- Biodiversity:
 - -68% Biodiversity reduction in the past 50 years



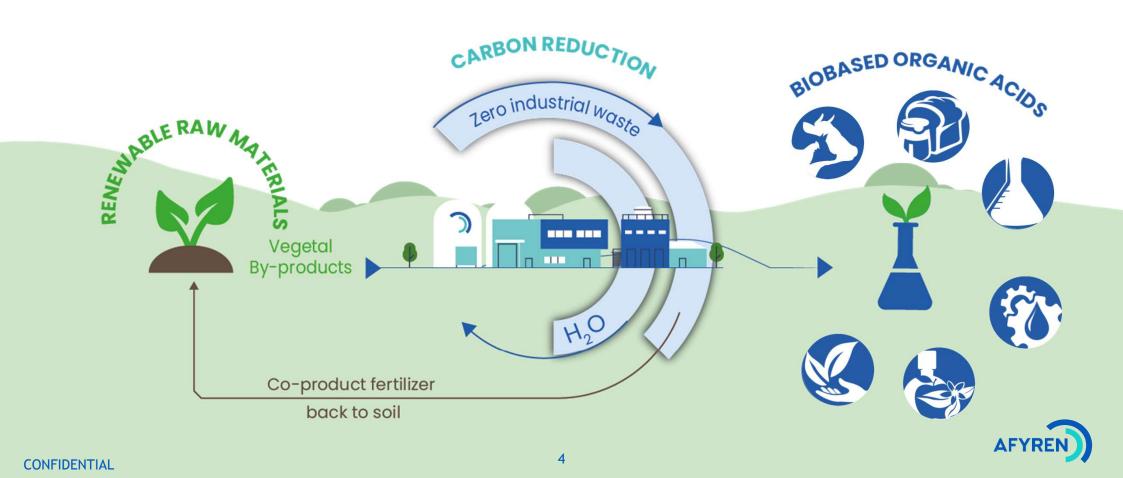
The AFYREN Concept:

Biobased ingredients from renewable by-products via fermentation





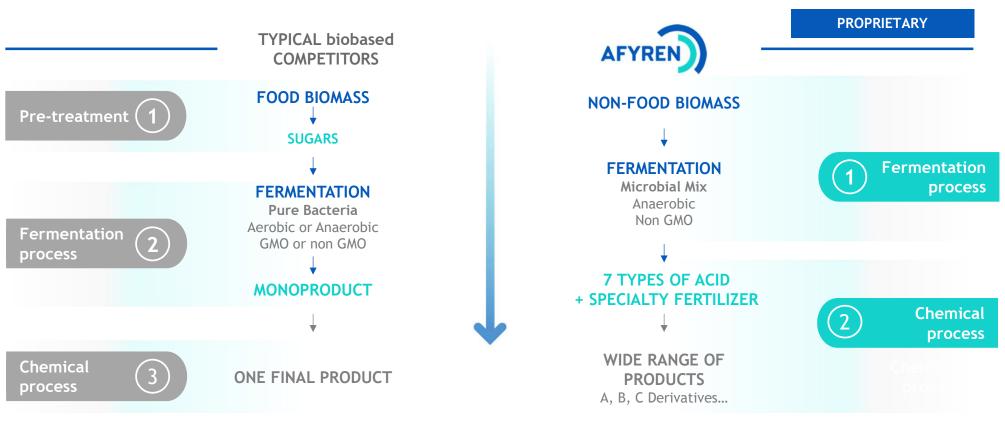
A unique low-carbon circular bioeconomy approach







Differentiated process yielding greater efficiency





1st Pilot 1st 70m³ 3m³ capacity equipment pre-industrial pilot 1m³ capacity scale up 2014 2017 2016

Pilot plant has demonstrated successful scale-up

Process optimization from pilot to pre-industrial scale and proof of concept

Successfully produced organic acids from by-products, confirming AFYREN's fermenting technology

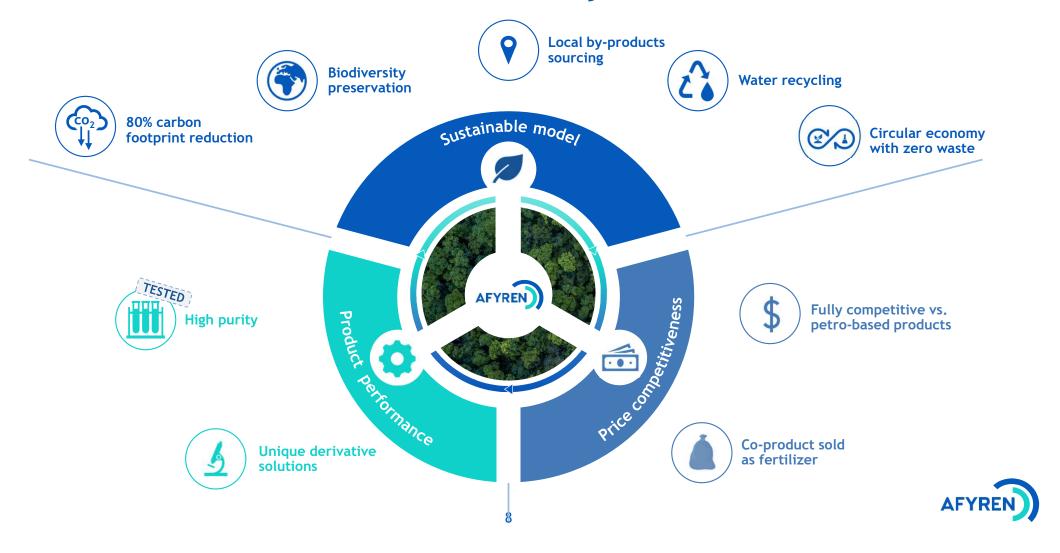
Optimised purification process to reach client specifications

Test batches delivered to the first customers

Well-proven technologies and equipments used to de-risk the scale-up



Low-carbon circular bioeconomy model



AFYREN today



COMMITMENT, AGILITY, HUMILITY



R&D at the heart of technology improvement

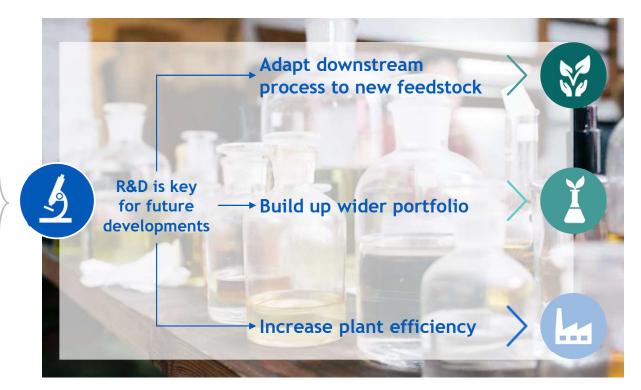
Facts & figures

1/3 of resources dedicated to R&D(1)

10 patent families worldwide(2)

Strong know-how in natural fermentation

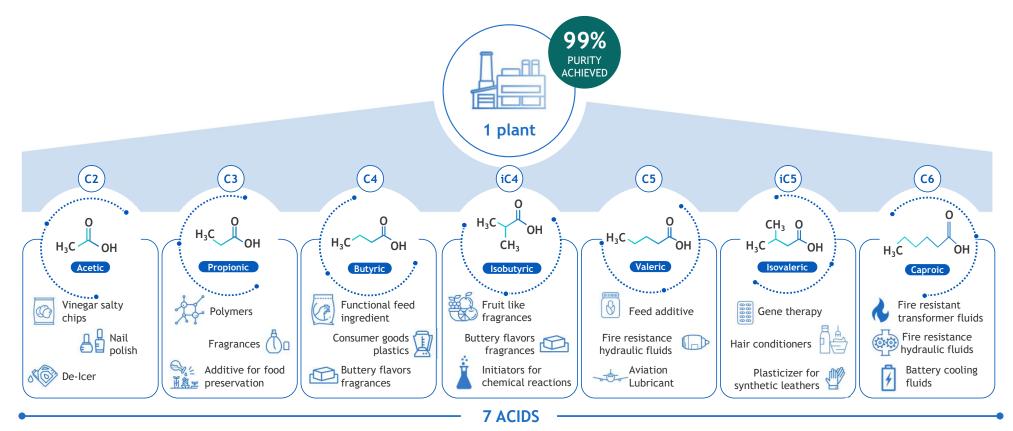
A large panel of expertise in bioprocess, microbiology, chemistry, industrial engineering...







Offering a large suite of acids with one technology



Well diversified portfolio addressing a wide range of applications



AFYREN NEOXY) at the heart of a local ecosystem

With the support of major partners





AFYREN NEOXY in brief





