

### INNOVATIVE GREENTECH PLATFORM FOR SUSTAINABLE CHEMISTRY



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## From environmental emergency to a business necessity: AFYREN ideally positioned for a sustainable future

REPETITION OF CRISIS HAVE STRONGLY ACCELERATED AWARENESS AND NEEDS...

WAR IN UKRAINE

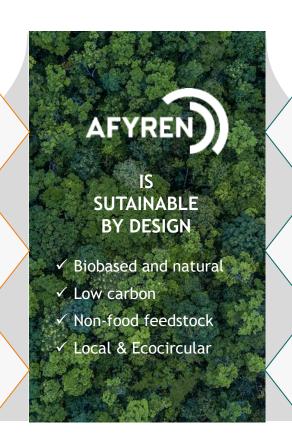
**ENERGY:** fossil resources dependency

AGRICULTURE: tensions on resources / human food

COVID-19 CRISIS **SUPPLY CHAIN:** globalisation model challenged **RISKS:** pandemic risk due to human-driven expansion

LONG-KNOWN ISSUES

LIMITED RESOURCES: 1.7 x Planet to meet our needs
GLOBAL WARMING: +3°c by 2100 current trajectory
BIODIVERSITY: -68% lost biodiversity in the past 50 yrs



... MORE STRINGENT REGULATIONS & BUSINESS NECESSITIES WILL CONTINUE TO ACCELERATE CHANGE

Taxonomy, carbon border adjustment mechanism, circular economy rules

REGULATION

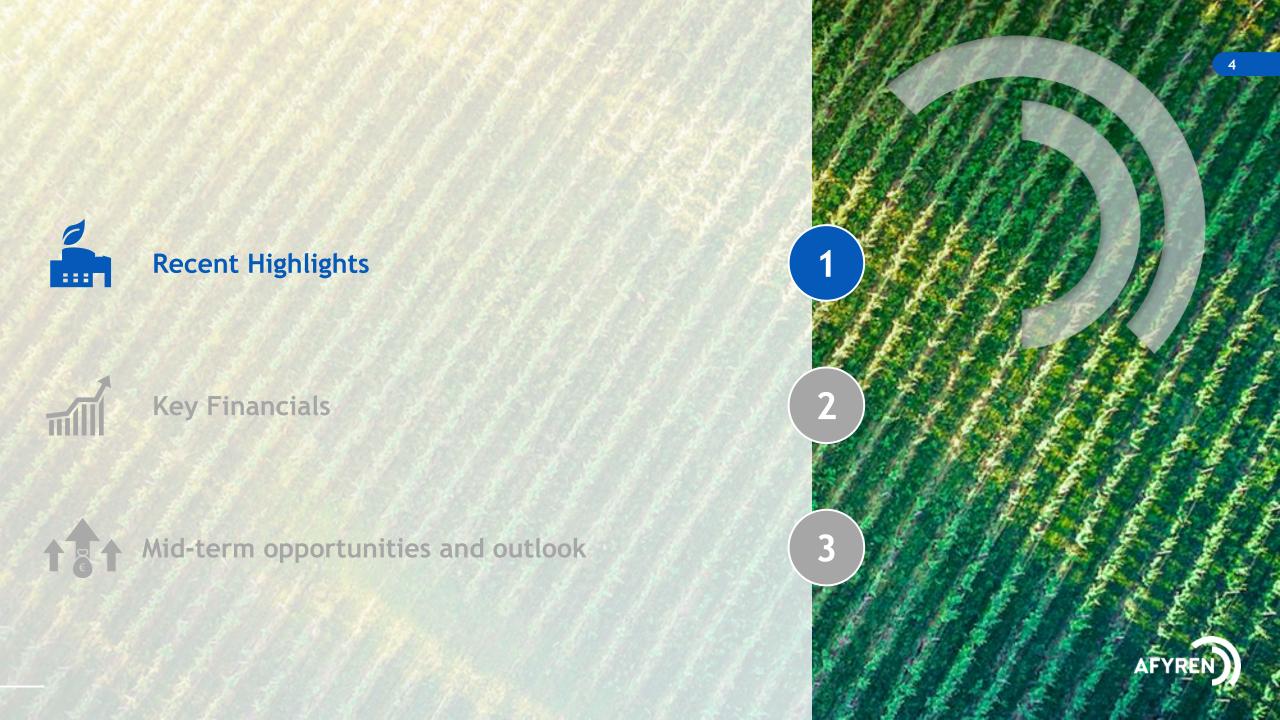
Climate risk assessment, corporate mission & alignement, shareholder pressure

STRATEGY & GOVERNANCE

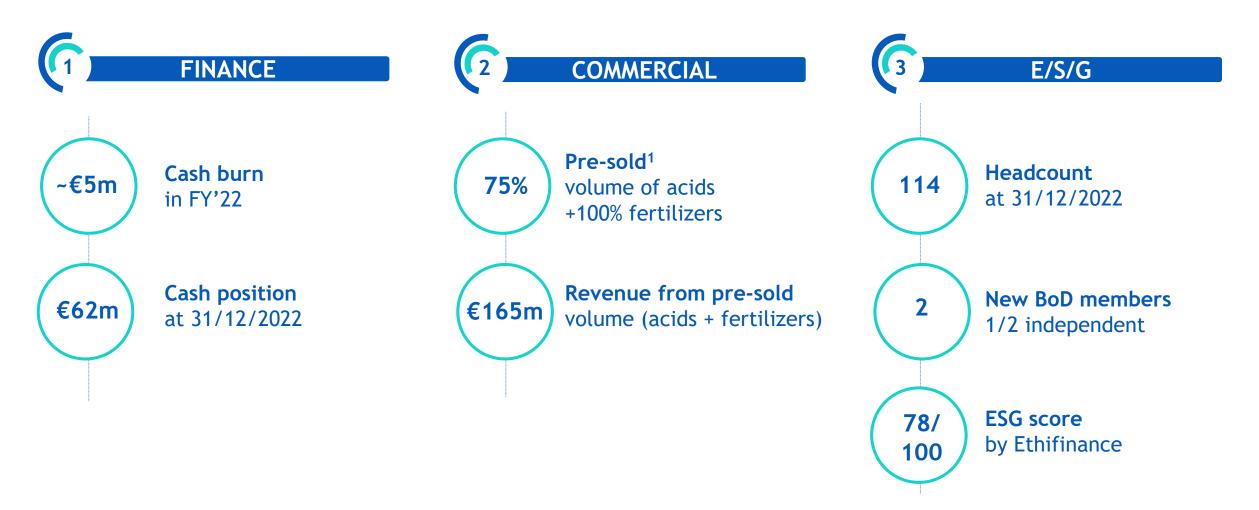
Article 8-9 funds, green financing, net zero banking alliance

**FINANCING** 





## Key 2022 figures





## BUSINESS: a strong visibility and further opportunities



Revenue from pre-sold volumes and contract maturity<sup>1</sup>





#### Acids volume presold<sup>2</sup>

- all 6 target markets
- + market expansion : CEARITIS
- key geographies: Europe / USA (distribution)



remains for high value-added contracts or commercial synergies



#### **BUSINESS:** recent wins

Strategic contracts to supply major customers signed in all six of AFYREN's priority markets



Agreement signed with Ennolys by Lesaffre for the exclusive distribution of AFYREN NEOXY natural acids to major European manufacturers



Exclusive long-term partnership with Terrial for the sale of the co-product, a potassium-rich fertilizer



Agreement with Excellentia for the distribution of the FLAVYREN™ line in key North American flavors and fragrances market



New contract to provide biobased organic acid to U.S. manufacturer of industrial lubricants







75%¹ of AFYREN NEOXY's targeted production volume are pre-sold +100% of fertilizers



# OPERATIONS: a world first to serve the European market

Plant #1



Installed capacity	~16 Kt / year of Acids + organic fertilizer	
Industrial commissioning and ramp-up	2022 ~2 years	
Partner (51/49)	AFYREN) bpifrance	
Local job creation	60	
Investment	~€60m	
Revenue target @full capacity	~€35m	
Profitability target (current EBITDA margin) @full capacity	>25%	
Status update	<ul> <li>Built on time (~16 months) and at cost</li> <li>Stabilizing unit operations</li> <li>First batches delivered in 2023</li> </ul>	







## OPERATIONS: our project to serve the Asian market

Plant #2 project



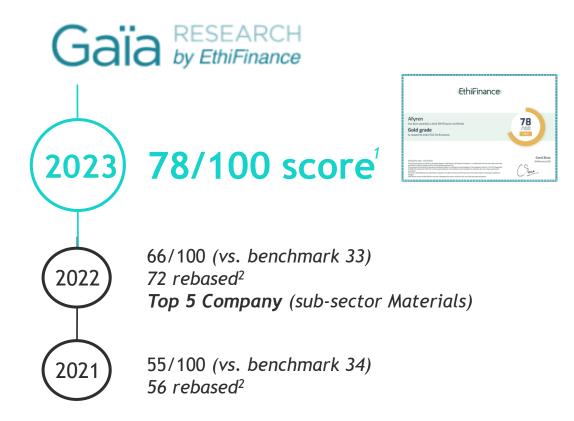
Installed capacity	~28 Kt / year of Acids + organic fertilizer	
Industrial commissioning and ramp-up	2025 <1 year	
Partner (70/30)	AFYREN MITR PHOL GROUP	
Local job creation	~80	
Investment	~€100m	
Revenue target  @full capacity	~€60m	
<b>Profitability target</b> (current EBITDA margin) @full capacity	30-35%	
Status update	<ul> <li>Letter agreement signed in January</li> <li>JV finalization mid-2023</li> <li>Engineering studies in 2023</li> </ul>	







## CSR: strong execution of roadmap leads to improved rating



#### 2023 priorities

#### Climate strategy

- Corporate Carbon Footprint (Scope 1, 2, 3)
- Establishment of climate strategy & target

#### **Certifications preparation**

- ISO environmental certifications
- Ecovadis certification preparation

#### Reporting

- Work on taxonomy and CSRD
- Data collection & implementation of CSR KPIs



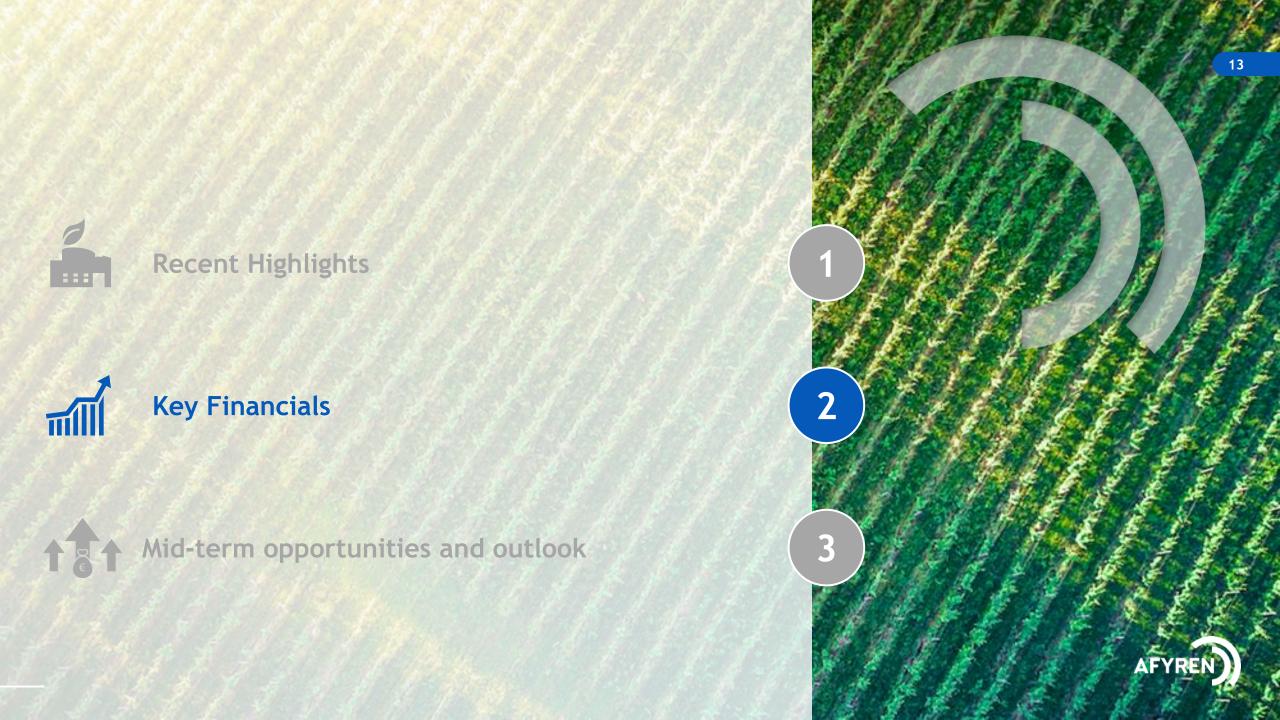
## R&D: sustained effort to fuel future growth



#### FY 2022 R&D effort in numbers:

- €1.8m spent in R&D + €0.5m new project development
- 16 dedicated FTE + project team
- 1,000+ fermentations performed
- 20+ different raw materials tested
- 10+ innovation projects





## Net loss in line with expectations

	In €k	2022.12	2021.12
a	Revenues	3,456	3,036
Ь	Operating expenses <sup>(1)</sup>	(8,827)	(5,212)
	Recurring operating income	(5,371)	(2,176)
	Non-recurring operating income	-	-
	Operating income	(5,371)	(2,176)
C	Net financial income	(166)	(403)
d	Share of net income of equity-accounted entities	(3,662)	(1,029)
	Profit before tax <sup>(1)</sup>	(9,200)	(3,608)
	Income tax	-	0
	Net income	(9,200)	(3,609)

#### **Comments**

**Revenues:** mainly fees to AFYREN NEOXY

- License fees of €1.4m, unchanged vs. FY'21
- Slight increase in technical and commercial fees
- Opex: include €1.8m of R&D costs and €0.5m of Dev. costs €3.6m increase vs. FY'21
- €2.7m increase in personal expenses (incl. LTIP)
- €0.8m in other expenses (incl. listing costs)
- Net financial income improved by €0.2m (interests on cash deposit)
- 51% of the AFYREN NEOXY plant net loss
  - Delivery and commissioning of the plant in FY'22
  - Revenues to be recorded upon delivery of first batches



AFYREN NEOXY loss + sustained investment in future projects

## Strong balance sheet

	In €k	2022.12	2021.12	2020.12
a	Non-current assets	20,998	24,246	25,582
	Current assets	63,822	68,903	10,306
b	Cash and cash equivalents	62,333	67,128	9,508
	Total assets	84,821	93,149	35,888
		2022.12	2021.12	2020.12
C	Shareholders' equity	70,978	77,856	19,573
	Non-current liabilities	5,885	11,717	10,714
	Current liabilities	7,958	3,576	5,601
	Total liabilities	13,843	15,293	16,315
	Total liabilities and shareholders' equity	84,821	93,149	35,888

#### **Comments**

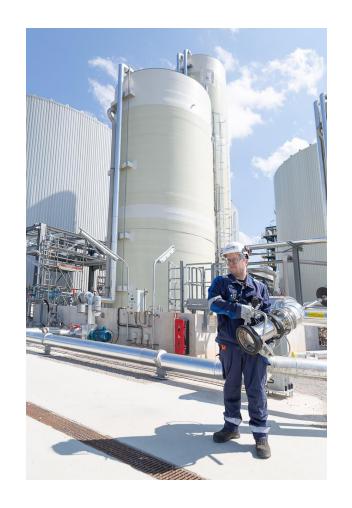
- a €16.5m from AFYREN NEOXY equity accounted assets Decrease related to negative net profit in FY'22
- €4.8m cash burn in FY'22 • €(9.2)m net result
  - +€6.9m non-cash items
  - €(1.4)m working cap and investment
  - €(1.1)m net cash used in financing activities
- C €8.5m of total debt
  ~€3.57m convertible bonds reimbursed in March 2023



### 2022 Balance sheet of AFYREN NEOXY



In €k	2022.12	2021.12
Ownership stake	51%	51%
Non-current assets	69,847	57,442
Current assets (excl. Cash and cash eq.)	10,508	14,627
Cash and cash eq.	8,440	15,301
Non-current liabilities	28,272	15,709
Current liabilities	27,903	31,812
Net assets (100%)	32,620	39,849
Net assets attributable to AFYREN	16,513	20,171





## A strong financial profile at end Dec. 2022

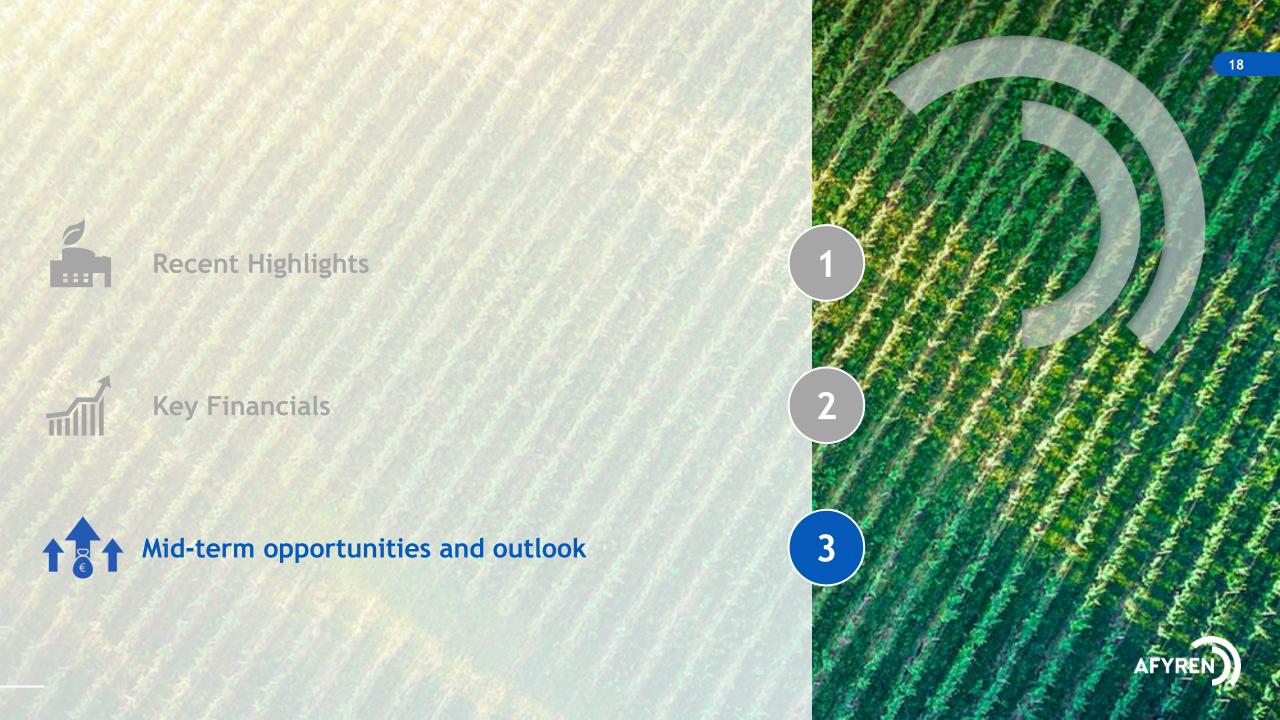
€62.3m cash



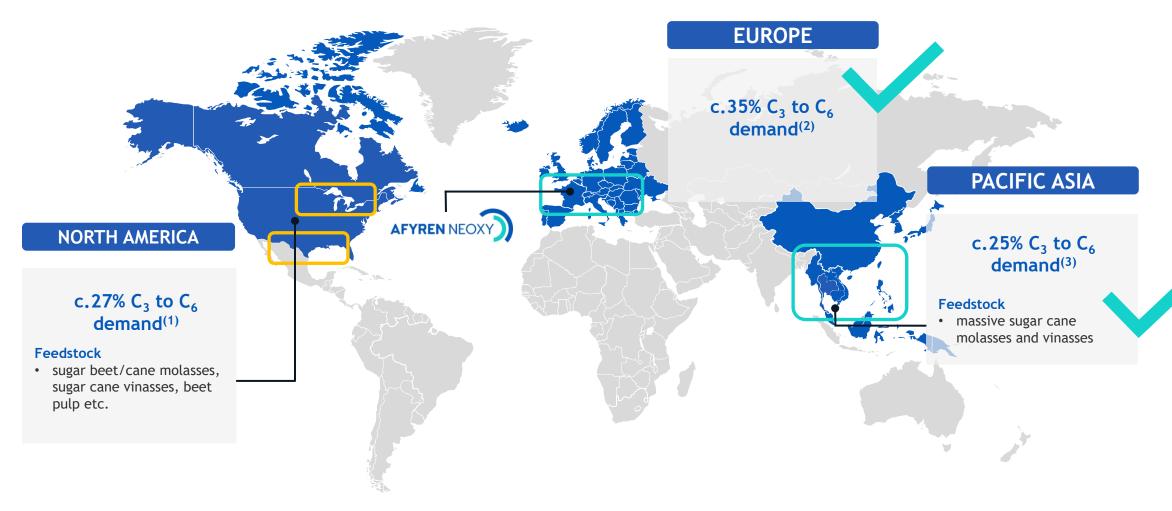
51% of the AFYREN NEOXY plant<sup>(1)</sup>
€16.5m
net assets







## 3 major markets to be addressed





## On track to meet our mid-term targets

	IPO (2021)	Today	Mid-term (2027e)
# of sites	Ĺ	ĨĨ	
Acids: committed capacity (kt)	16	44	72
Acids: installed capacity (kt)	0	16	72
Plant cumulative sales	-	-	>€150m annual sales¹
Target EBITDA margin <sup>2</sup>	-	-	~30%

#### **Variables**

#### <u>Calendar / project-driven</u>

- Plant #2
   H2'23 engineering studies + feedback NEOXY
- Plant #3 feedback NEOXY + extension or new site scenario

#### Macro-driven

- Cost of construction and equipment
- Energy cost vs. pricing





## Multiple upsides identified



Continuous feedstock proof of concept



Continuous pricing optimisation







- Esters
- Salts, etc.

Additional Markets: >€10bn<sup>(1)</sup>



#### **New products**

- New organic acids
- Fermented products, etc.





