# agilyx

Turning plastic waste into value

DNB Conference

*March 5<sup>th</sup>, 2025* 



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# Agilyx at a glance



Oslo Stock Exchange listing since September 2022.

NOK 3.3 billon market capitalization (USD 300m)<sup>1</sup>



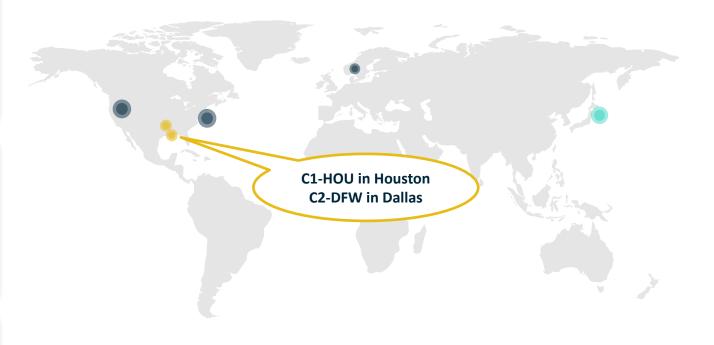
# 22 patents granted

patent portfolio active in North America, the Middle East, Mexico, and Asia





Two Cyclyx industrial scale facilities in construction with 210ktpa feedstock **production capacity**, with a total capital cost of USD 260m



**Agilyx Group Offices** 26 FTE @ Agilyx 80 FTE @ Cyclyx

Styrenyx™ Polystyrene recycling

facility with partner Toyo, a member of Denka Group

**Cyclyx Circularity** Centers

> "Waste to feedstock" industrial scale facilities



# Agilyx at a glance

# agilyx

50% owned Joint Venture with ExxonMobil (25%) and LyondellBasell (25%)



# Post-use plastic to feedstock innovator

Through the Cyclyx Circularity Centers, the company custom formulated feedstock to meet the specifications of mechanical and advanced recyclers. Additionally, Cyclyx's collection channels and partnerships can capture a wide range of plastics, including those that are typically excluded from curbside recycling.



# Pioneer in advanced recycling

Styrenyx is Agilyx's proprietary advanced recycling technology, available through a capital light licensing model. Through depolymerization, polystyrene waste is broken down to its virgin-equivalent building blocks for reuse in high-quality products.



# Waste plastic is an unsolved global challenge

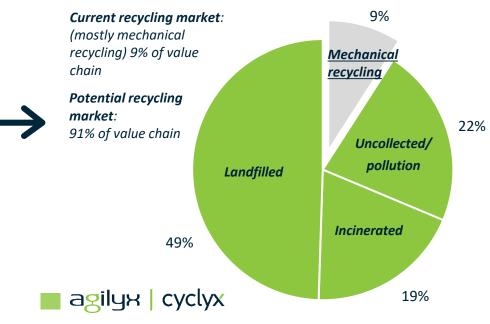
Agilyx can help solve one of the greatest environmental challenges

# 350+ million tonnes global annual waste plastic

Currently, plastic flow is linear.

CCCs enable circularity by targeting non-recycled segments

Agilyx is dedicated to solving the problem of plastic waste by supplying feedstock derived from post-use plastic to the recycling industry, and by developing and marketing innovative, advanced recycling technology



More than 320 million tonnes of plastic waste have no value in the current recycling value chain.

By capturing and processing it, Cyclyx can create valuable feedstock for recyclers.



# Variability in plastics make recycling challenging

	Туре	Other Common Names	Demand	Uses		
	PET	Polyethylene-Terephthalate	24%	<ul><li>Clear beverage bottles</li><li>Seatbelts</li><li>Apparel</li></ul>		
	HDPE	High density polyethylene	14%	<ul><li>Milk/shampoo bottles</li><li>Water</li><li>pipe (opaque)</li><li>Dust bins</li></ul>		
300	PVC	Poly(vinylchloride)	14%	<ul> <li>Cosmetic containers</li> <li>Oil/cleansing products</li> <li>Cling wrap</li> <li>Window sheet</li> <li>Water pipe</li> <li>Electrical insultation</li> </ul>		
	LDPE	Low density polyethylene	17%	<ul> <li>Plastic bags</li> <li>Bin bags</li> <li>Films inside packages</li> <li>Electrical insulation</li> </ul>		
	PP	Polypropylene	23%	<ul> <li>Straws</li> <li>Ice cream tubs</li> <li>Lock &amp; lock</li> <li>Consumer electronics</li> <li>Textiles</li> <li>Auto parts</li> </ul>		
1 1903	PS	Polystyrene	6%	<ul><li>Disposable cups</li><li>Protective packaging</li><li>Cutlery</li></ul>		
	Other	Other	N/A	<ul> <li>Baby bottles</li> <li>Plastic CDs</li> <li>Car parts</li> <li>Exterior lighting</li> <li>fixtures</li> </ul>		



# Feedstock availability is a bottleneck in the advanced recycling industry

Waste to feedstock

Feedstock to product

LYB | LyondellBasell

**Plastic manufacturing** 

**Packaging and consumer** demand

Chemical characterization of waste plastics and processing into feedstock that meets advanced recycling company specifications.



Advanced recycling companies process feedstock into virgin-equivalent building blocks



ExonMobil

Plastic manufacturers turn oils into plastic products like packaging and consumer goods





















brand companies drive

COLGATE-PALMOLIVE

**DANONE** 







Kraft Heinz

P&G

Unilever

**W** Kimberly-Clark ĽORÉAL



Producing plastic pellets for advanced recycling feedstock Converting pellets to either pyrolysis oil or naphtha (both "green oils")

Must choose between crude oil to manufacture traditional plastic or green oils to manufacture recycled resins.

80+ global consumerpackaged-goods and retail companies have committed to achieve between 15 and 50% recycled resins in their packaging by 2025.



# Cyclyx Circularity Centers are uniquely capable of redirecting plastic into recycling

#### **COLLECTION CHANNELS**



# FIRST-OF-ITS-KIND PLASTIC SORTING AND PROCESSING FACILITY

- Powered by software leveraging a 10+ year proprietary database and characterization methods providing unmatched comprehensive analysis
- Chemically characterizes and manages plastics using big data
- Meets feedstock specification and volume needs

- Inbound design capacity:
   180,000 tpa of plastic waste
- Outbound **100,000 tpa** AR feedstock and **50,000 tpa** mechanical feedstock
- Expect to have 150,000 tpa contracted by mechanical completion





# Agilyx raised \$225m in 2023 and 2024 to fund roll out of Cyclyx business model and first two facilities.

# ExxonMobil and LyondellBasell breakthrough investment October 2023

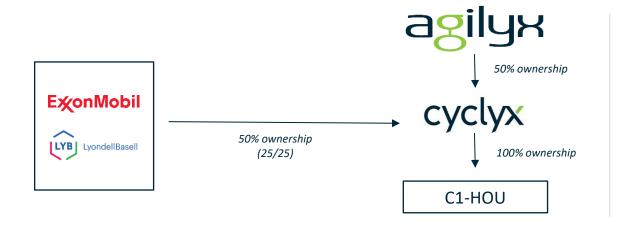
# Funding and Final Investment Decision for 2<sup>nd</sup> facility in November 2024

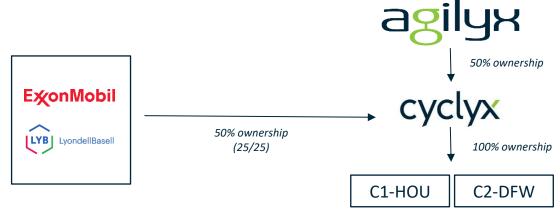
- ExxonMobil and LyondellBasell invest 135m into Cyclyx
- Agilyx sale of 33% of its stake in Cyclyx equated to a post money valuation of c. USD 400m; Agilyx ownership valued at USD 200m

<u>Post-money Cyclyx valuation</u> by ExxonMobil and LyondellBasell

USD ~400m

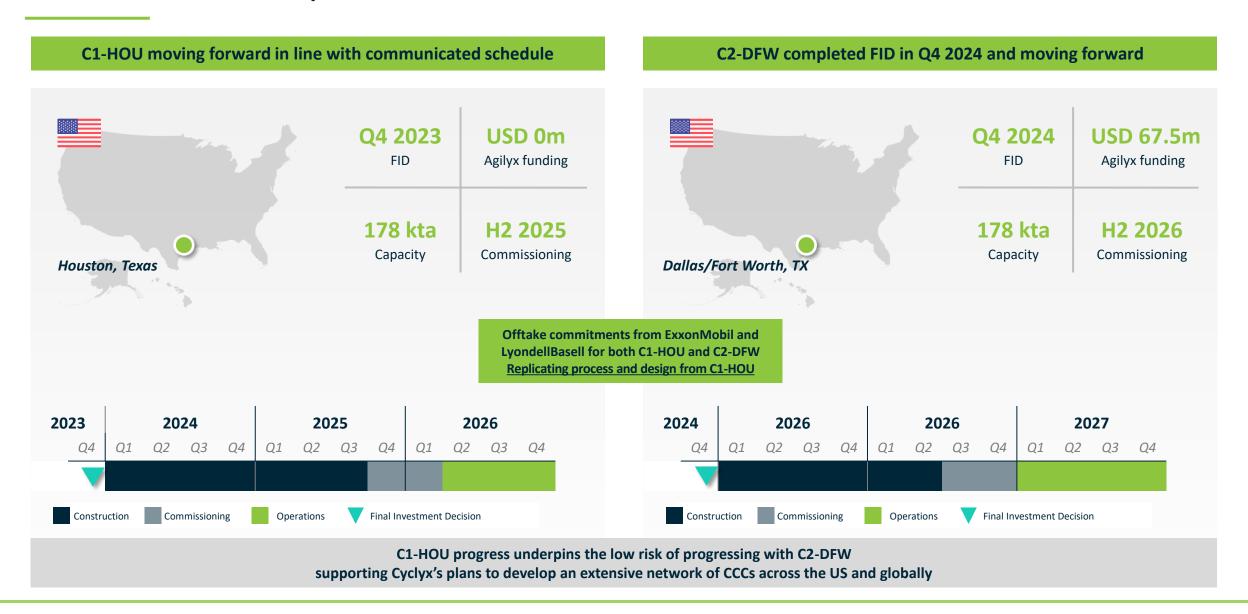
 Agliyx raises USD 40m in equity in August 2024 and USD 50m bond in November 2024 to fund its pro-rata share of capital expenditure for C2-DFW and funds for general use







# C1-HOU is in construction phase and C2-DFW achieved Final Investment Decision Q4 2024



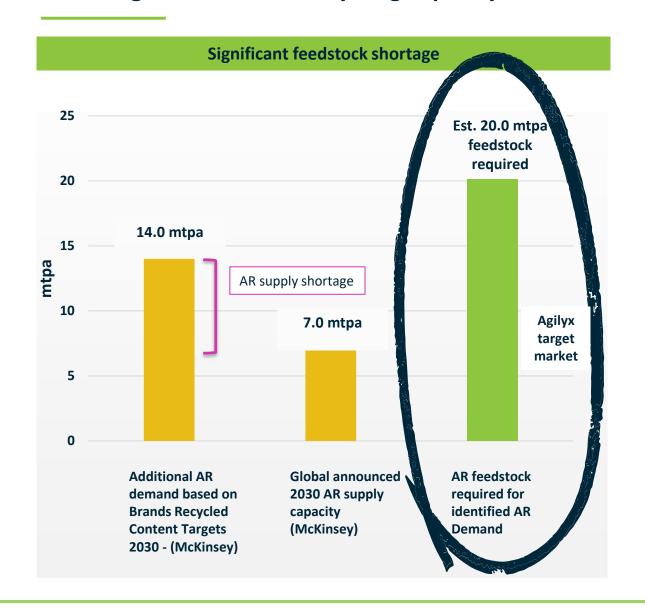


# AGILYX generates positive cash flows with multiple Circularity Centers in operation at C2-DFW economics

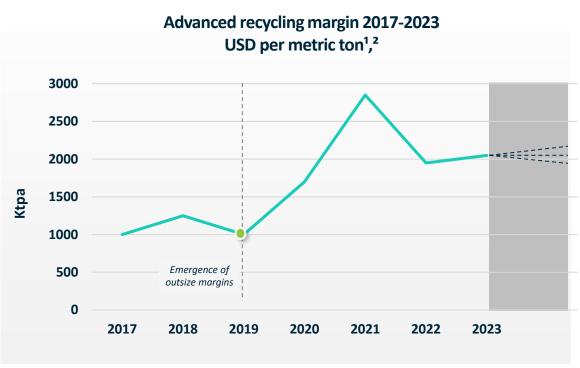
USD in millions	1 CCC	2 CCC	3 CCC	4 CCC	5 CCC
Income from CCCs direct to Agilyx					
C1-HOU royalties	2.5	2.5	2.5	2.5	2.5
C2-DFW royalties plus offtake margin		13	13	13	13
C3 royalties plus offtake margin			13	13	13
C4 royalties plus offtake margin				13	13
C5 royalties plus offtake margin					13
A. Income direct to Agilyx	2.5	15.5	28.5	41.5	54.5
Income from CCCs direct to Cyclyx					
C1-HOU	7	7	7	7	7
C2-DFW		7	7	7	7
C3			7	7	7
C4				7	7
C5					7
Total income to Cyclyx	7	14	21	28	35
Cyclyx Net Corporate Costs	-10.1	-8.2	-6.3	-4.4	-2.5
Cyclyx PF EBITDA	-3.1	5.8	14.7	23.6	32.5
B. Indirect income from Cyclyx (50% share of Cyclyx EBITDA)	-1.5	2.9	7.4	11.8	16.3
/>					
(A+B) AGILYX DIRECT AND INDIRECT INCOME FROM CCCs	1	18.4	35.9	53.3	70.8



# A shortage of advanced recycling capacity and necessary feedstock underpins strong available margins



# Underlying economics for offtakers



- Over the past 3 years, the premium paid for recycled plastic compared to virgin material has been in excess of <u>USD 1,500 per MT<sup>1</sup></u>
- Margins for advanced recycling around <u>USD 2,000</u> per metric ton give offtakers compelling economics

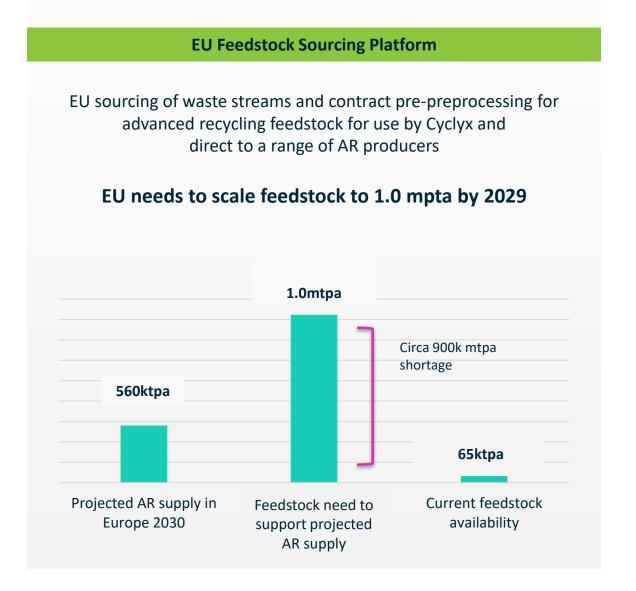


<sup>1)</sup> McKinsey | Beyond the bottle: Solutions for recycling challenging plastics (November 2022)

<sup>2)</sup> McKinsey | A unique moment in time: Scaling plastics circularity (August 2023)

# Agilyx is addressing the feedstock shortages through Cyclyx and internal sourcing platforms

# **Cyclyx International** US sourcing, characterization, sorting and blending of waste streams to create high spec advanced recycling feedstock for global Petrochem advanced recycling producers Cyclyx needs to 3x volumes to meet ExxonMobil and LyondellBasell near term demand 600ktpa 210ktpa Cyclyx announced AR feedstock Cyclyx offtakers announced AR capacity 2028 capacity





# **Top 20 Shareholders**<sup>1</sup>

Rank	Shareholder	% of shares
1	SAFFRON HILL VENTURES 2 LP	38.80
2	SKANDINAVISKA ENKILDA BANKEN AB	21.54
3	UBS AG	7.62
4	SIX SIS AG	6.58
5	SPAREBANK 1 MARKETS AS, MARKET-MAKING	4.74
6	MERRILL LYNCH, PIERCE, FENNER & SM	4.21
7	CLEARSTREAM BANKING S.A.	2.14
8	MP PENSJON PK	1.77
9	GOLDMAN SACHS INTERNATIONAL	1.51
10	CITIBANK N.A.	0.96
11	J.P. MORGAN SECURITIES LLC	0.94
12	CITIBANK N.A.	0.91
13	UFI CAPITAL AS	0.65
14	J.P. MORGAN SECURITIES LLC	0.61
15	THE BANK OF NEW YORK MELLON	0.59
16	UFI AS	0.55
17	CITIBANK N.A.	0.54
18	GOLDMAN SACHS & CO LLC	0.51
19	MORGAN STANLEY & CO LLC	0.50
20	J.P. MORGAN SE	0.45
20 largest shareholders total		95.12%



# **Agilyx investment case summary**





First mover in a dynamic market



Strategic partner validation



Clear path to cash flow generation



Substantial capital markets support

Demand for advanced plastic recycling feedstock is significantly outpacing supply, creating a multibillion dollar opportunity.

ExxonMobil and
LyondellBasell investment
and offtake for the 2nd
facility confirms execution
capability, scalability of the
technology, and availability
of high-margin long-term
offtake agreements.

At steady state, C1-HOU and C2-DFW alone are expected to generate USD 14.3 million annual flow to Agilyx, turning the company cashflow positive by 2027.

Core, long term group of institutional investors underpinning the business.

# 니거 Highly experienced management team with chemical and waste expertise

#### **Relevant experience**



#### Ranjeet Bhatia | CEO

- Over 20 years of financial investment activity in technology and growth companies as MD of Saffron Hill Ventures.
- Chairman of Cyclyx International, Board member of Coyuchi Inc., and former Agilyx Board member.





COYUCHI



#### **Bertrand Laroche | CFO**

- 19 years as a finance leader with a proven track record in investment management, strategic planning, capital raising, mergers and acquisitions.
- Deployed over \$250 million in direct private equity and venture capital transactions across energy, infrastructure and climate technology



MODERN-MILL



#### Chris Faulkner PhD | CTO

- 20 years of technical and organizational expertise on engineering, process, analytics and administrative fronts.
- Throughout his 10-year tenure at Agilyx, has successfully permitted 8 facilities of prior generation conversion technology and has led the TruStyrenyx<sup>™</sup> partnership and commercialization







# Jessica Fletcher | VP of Engineering & Project Management

- 23+ years of project management experience and has successfully defined project development deliverables for several Agilyx projects in the past 5 years.
- Oversaw the FEL3 work with Worley, T.EN, Weston, and Cyclyx.
- Spent 8 years at Jacobs, a leading EPC firm, managing large-scale chemical projects.







# CYCLYX Highly experienced management team with chemical and waste expertise



# **Chris Yandell | CEO**











# Dr. Leslie Hushka | Chief Impact Officer

- 25 years of experience in building sustainability-focused organizations and programs in the corporate and non-profit sectors
- Helped form and lead NGOs the Alliance to End Plastic Waste and the Marine Well Containment Company







### Nathan Brown | CFO

**25 years of financial experience** in the public accounting and natural gas transmission industries and deep expertise in international corporate and partnership entities





# **Bill Cooper | SVP, Corporate Strategy and Development**

- 25 years of senior executive, investment banking and consulting experience working with growth companies
- Raised over \$6 billion in financings and worked on over \$2 billion in merger and acquisition transactions.







# Matt Durbin | SVP, Digital Asset Strategy and Technical Services

- 15 years of experience in project management, construction, environmental remediation, post-use plastics recovery, and advanced recycling
- During his time with Agilyx he held management positions overseeing corporate EHS requirements, operationalizing sustainability practices, developing supply chains for post-use plastic feedstock and management of production of circular styrene monomer from a commercial-scale recycling facility





# **Agilyx – Highly experienced board members**



**Peter Norris**Chair of the Board





Carolyn Clarke
Chair, Audit Committee







**Steen Jakobsen**Chair, Compensation
Committee







**Catherine C. Keenan**Chair, ESG Committee









