ANGARA Global

EIS eligible United Kingdom company

The Winner: DIGITAL	NNOVATION - 2024
World's Top 15 cb in AI + Carbon crunchbase	ASIAN DOWNSTREAM SUMMIT
Winner	400 million tons of CO ₂ reduction
© TechTour Energy Transition	DNV

We are building the Palantir for the Process Industries

Enabling industrial assets to self-optimize, improving profitability above their base-line performance with AI



Our DecarbonX technology platform increases asset productivity

by enabling assets to think, communicate, take care of themselves...

> dynamically

- beyond their baseline performance
- > through Al-driven self-optimisation



Built on vast proprietary data sets we have built over the last 9 years:

- several million of hours of data series
- on 14 thousand equipment units.

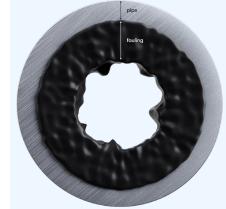
\$100 billion in costs and 1 billion tons of CO_2 emissions

Zillions of heat exchangers

- Food
- Water
- Biofuels
- Refining
- Fertilizers

- Chemicals
- Geothermal
- Agriculture
- Petrochemicals
- Power Generation

Across many industries



Fouling acts as a barrier to efficient heat transfer

Negative consequences include:

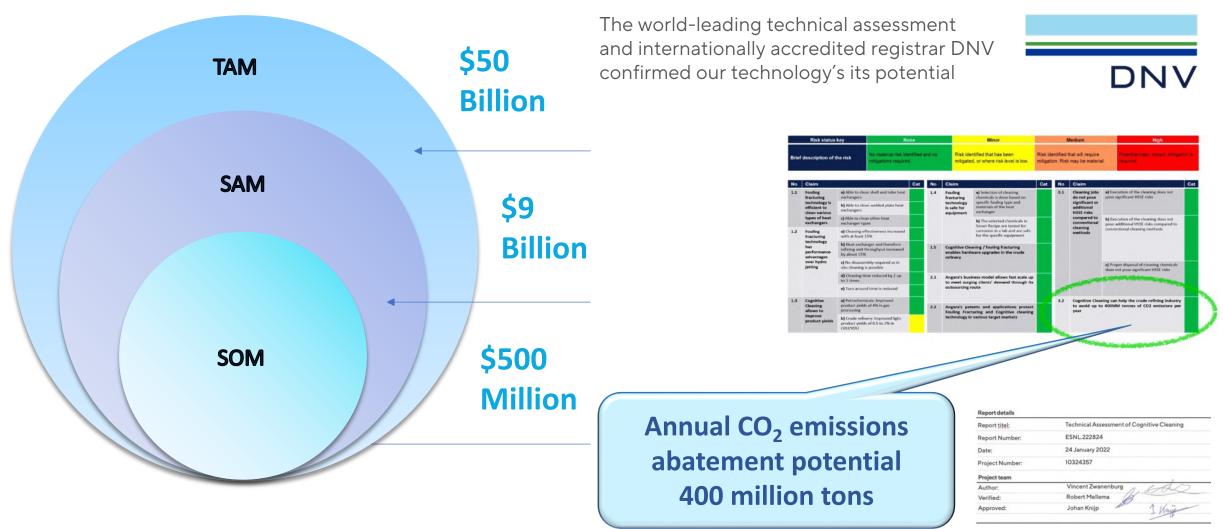
- Equipment failure
- Reduced product yield
- Excessive fuel consumption
- Reduced production due to increased maintenance





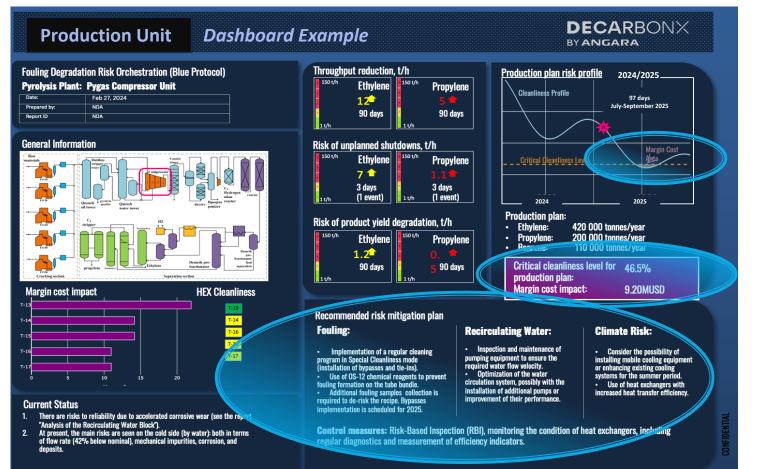
Big market opportunity

The market estimate for services to eliminate fouling-related efficiency losses



We deliver actionable insights on a recurring basis

The dashboards and actionable reports are automatically generated by our AI-powered digital tools and sold as Analytics-as-a-Service on a subscription basis, so clients can act on them



Our actionable insights are distinguished by



Superior Accuracy

in predictions and recommendations



Extended forecasting horizons

Clients have enough time

- to make decisions,
- to prepare actions,
- to execute.

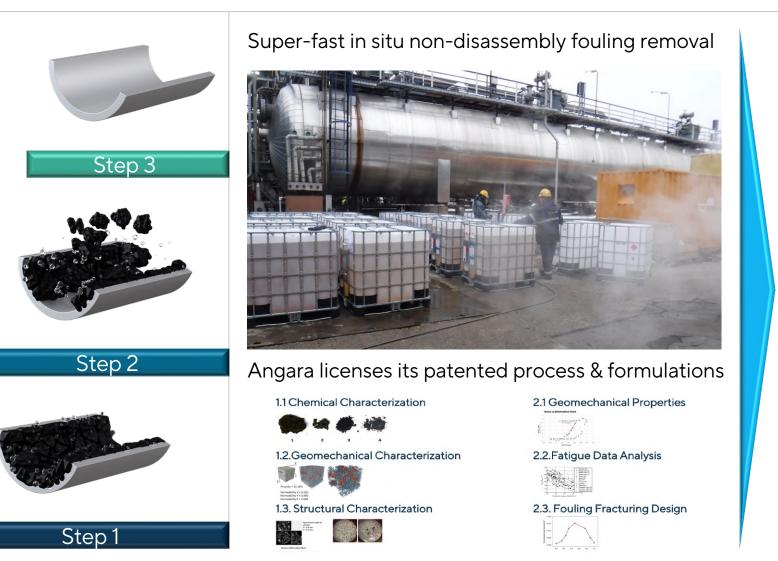


Automated generation of practical dashboards and actionable reports

- to reduce costs,
- to improve margins,
- to increase reliability and safety.

Some important actionable insights are underpinned by our proprietary technology that makes them a practical reality





Heat exchangers continuously clean and much more efficient

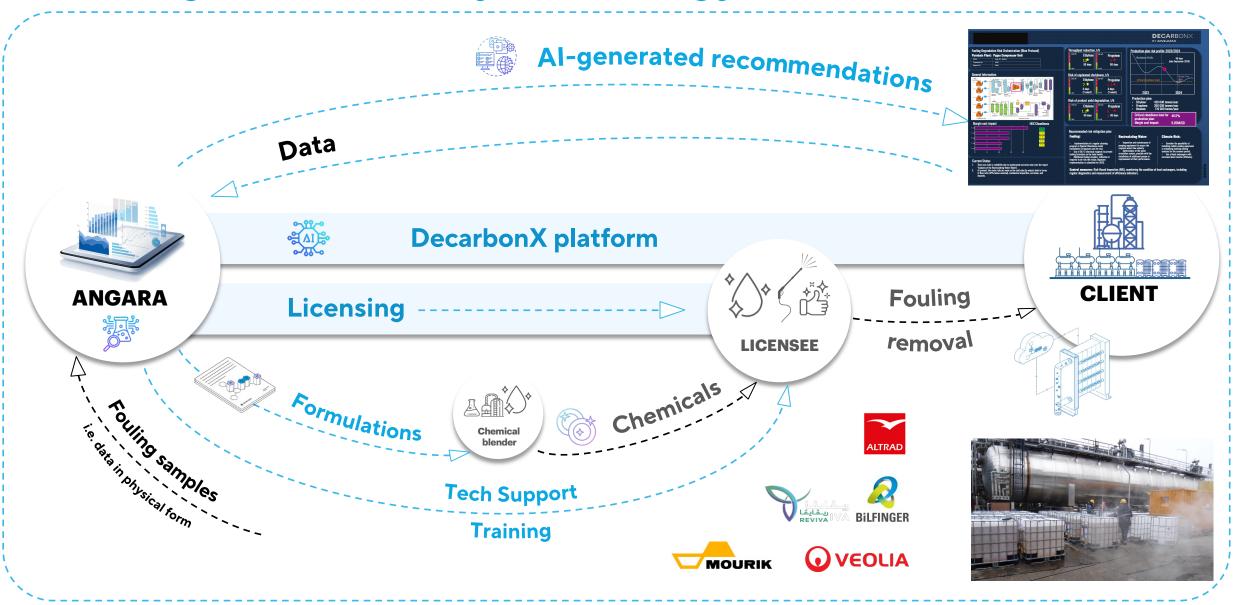
✓ 2-7 TIMES FASTER

✓ ANYTIME

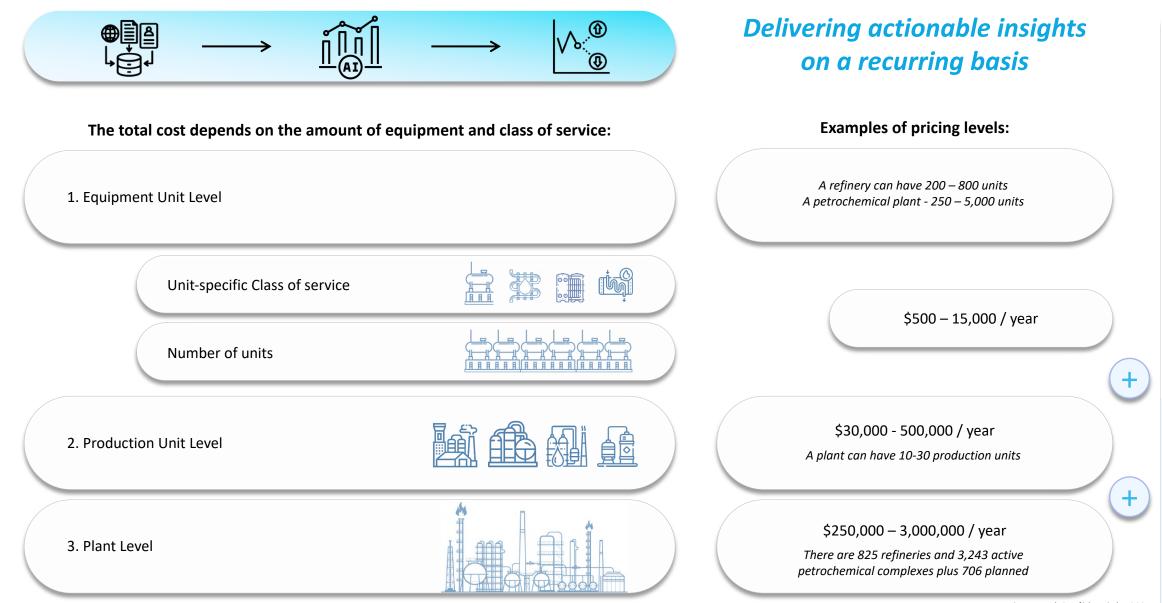


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We market our DecarbonX AI directly, while increasingly licensing our chemistry technology to incumbents

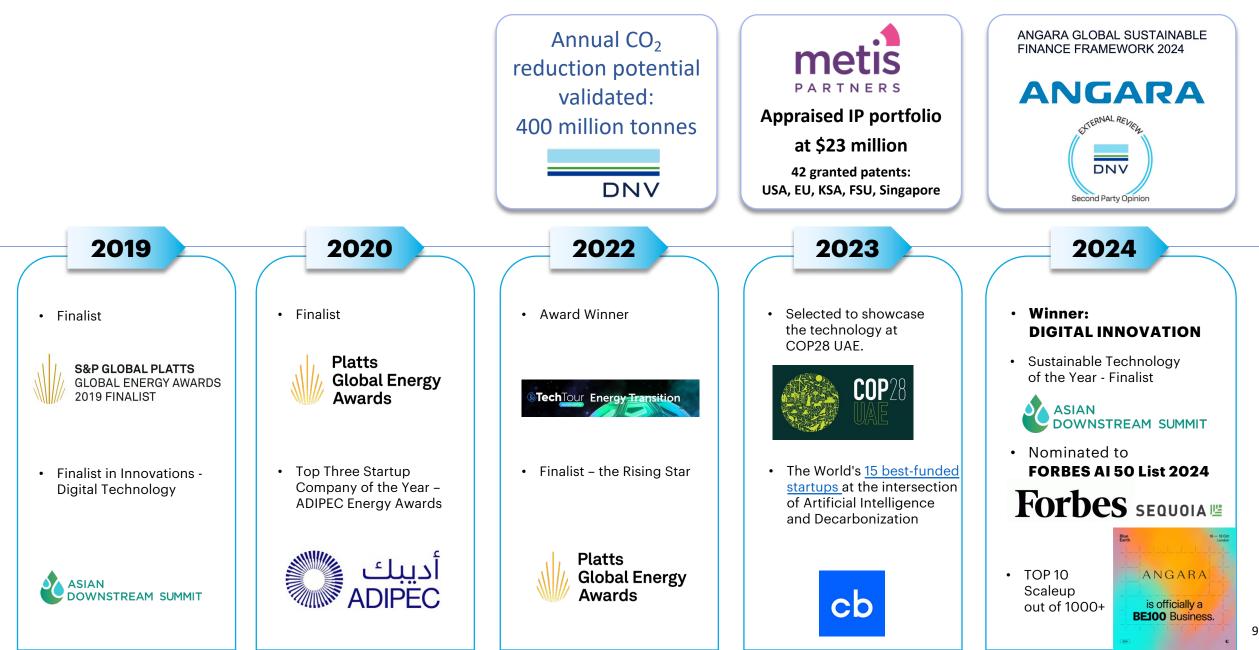


DecarbonX AI analytics is sold on subscription



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Awards, honors, recognition, validation



Customers appreciate the big tangible benefits they get

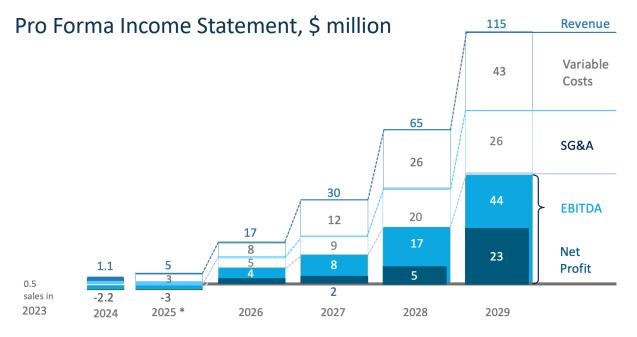
		Unit	Customer Net Economic Impact	Action scenarios results	
Enterprise		Corporate Center of Excellence	\$200,000,000 of degradation risk portfolio management / year	Daily orchestration of ~1,000 equipment units Being rolled out to 11,700 equipment units DecarbonX - approved as a Standard Operating Procedure at an enterprise level (20+ plants)	
Production Unit Level		Pyrolysis furnaces	WIP	Increased throughput	
		Pygas compression	\$7,300,000 / year of additional margin	Increased product yield	
	₩ T T T T T T T T T T T T T T	Water recirculation	\$4,000,000 / year of additional margin	Increased product yield	
Equipment Unit Level		Heat exchangers	\$3,200,000 / year in savings	Savings on equipment replacement costs	
		Heat exchangers	\$1,300,000 of additional margin	Increased margins	
		Heat exchanger	\$500,000 / year of additional margin	Increased product yield	

Proven Market Fit and Solid Traction to Profitability in 2026

Units under		Gross Margin	
DecarbonX subscription		at scale	
 Equipment Units Production Units Plants 	1200 4 3	>70%	



ANGARA is part of J.P. Morgan's Green Economy Banking



Our Clients and Prospects Include

E ‰nMobil	أرامكو السعودية soudi oromco	covestro	ACWA POWER	بابکو Bapco
NESTE		SÜDZUCKER GROUP	TotalEnergies	¢GC

Multiple Markets

DECARBONX

Already used commercially in:

Is in pilot or planned:





Refining

Chemicals Petrochemicals

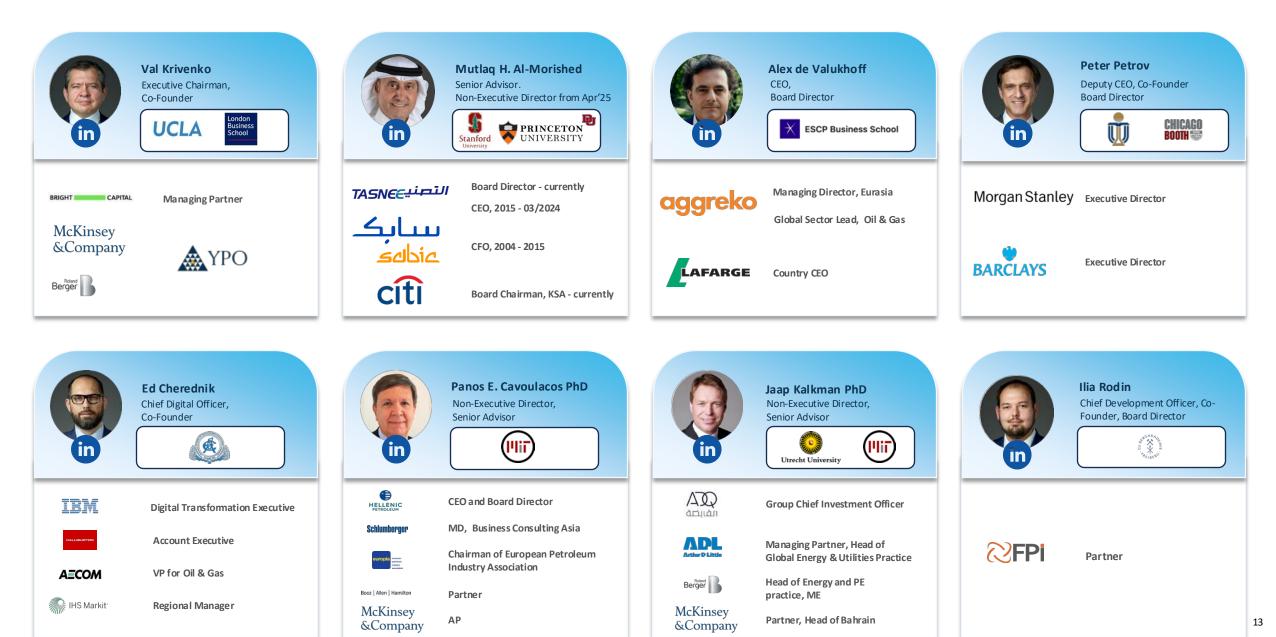
Food Fertilizers Agriculture

Biofuels Plastics recycling

Water

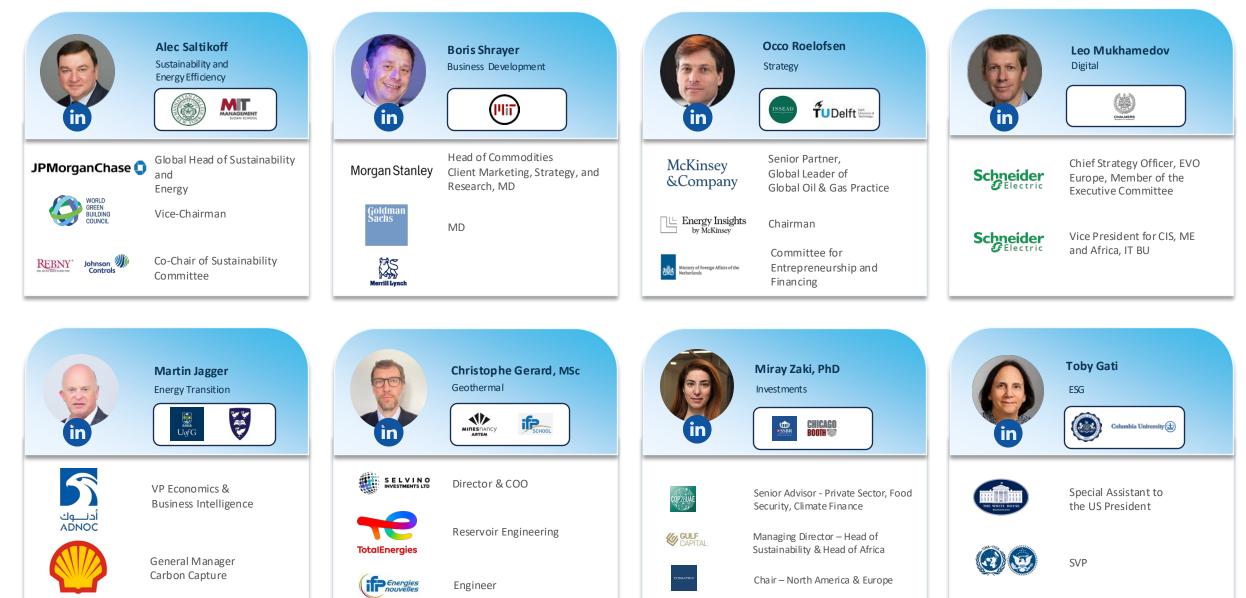
Geothermal Power gen

ANGARA's Professional and Dedicated Team



DECARBONX

The Board of Advisors Supports the Team (partial list)



Investment Opportunity

Investors have the following options:

1. Buy shares in Angara Global Ltd. (UK, EIS eligible): from \$2 mln. to \$10 mln.

or

2. Invest via Convertible Loan at 10% p.a., 20% discount, \$50 mln. pre: **from \$50k – \$2 mln.** or/and

3. DecarbonX Secured ISIN Note at 10% p.a., 3 years: **from \$100k to \$10 mln.** backed by our intellectual property as collateral. Available in February

- The base interest will be at 10% p.a. plus net profits participation. The resulting yield can be up to 38% p.a. in year 2 or later.
- The IP, consisting of 42 patents appraised at a minimum of \$23 million (my Metis Partners), serves as collateral.
- The Note will be an ISIN instrument and registered on the Vienna Stock Exchange.
- The duration is 3 years plus one or two years at the issuer's choice.

The EXIT:

Stage 1 - over a 2-year horizon

- Interim / partial EXIT as a sale of Fouling Fracturing technology stack
- ANGARA has an IP portfolio of 42 granted patents.
- Potential \$100-250 million.

Stage 2 - over a 3–5-year horizon

- Full EXIT as a sale of the business based on DecarbonX, our digital AI platform.
- Potential \$1-2 billion.

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ANGARA





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DECARBONX by angara

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