## **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 <sub>2</sub> 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.

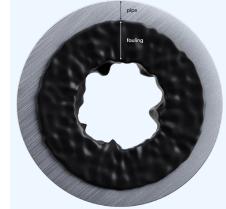
## \$100 billion in costs and 1 billion tons of $CO_2$ emissions

### 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:

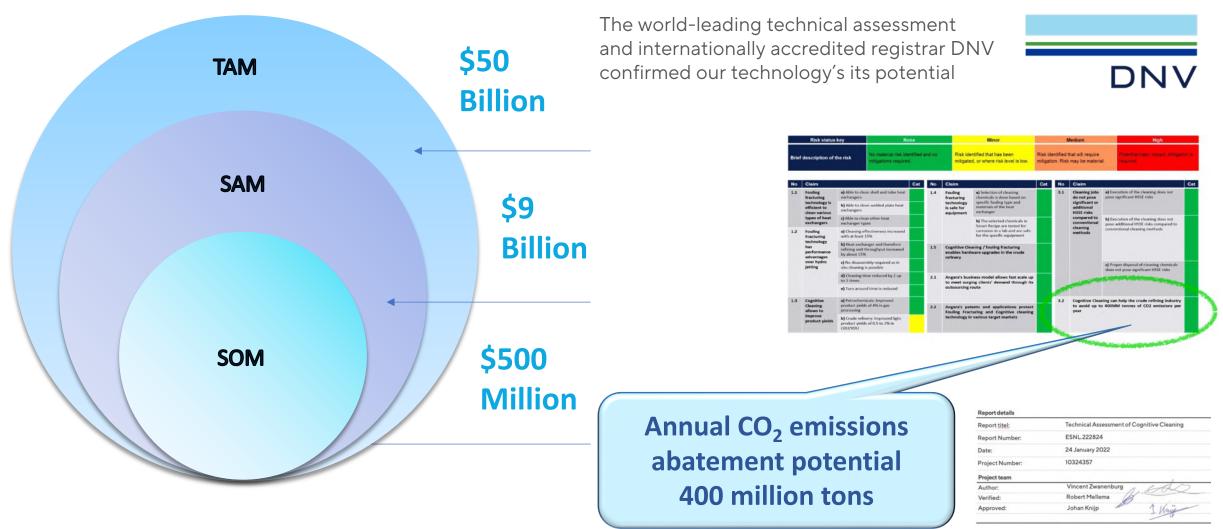
- Equipment failure
- Reduced product yield
- Excessive fuel consumption
- Reduced production due to increased maintenance





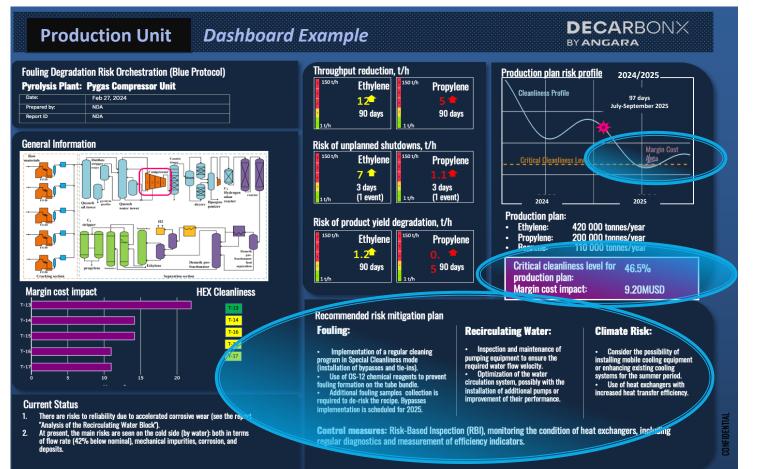
## **Big market opportunity**

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

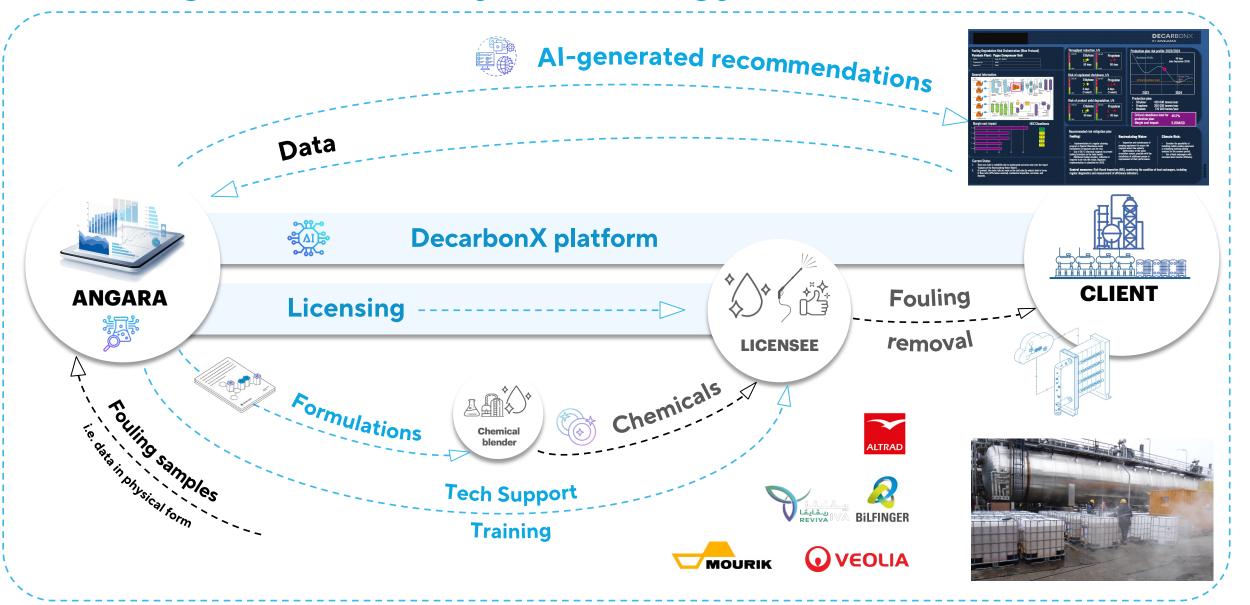
### ✓ 2-7 TIMES FASTER

✓ ANYTIME

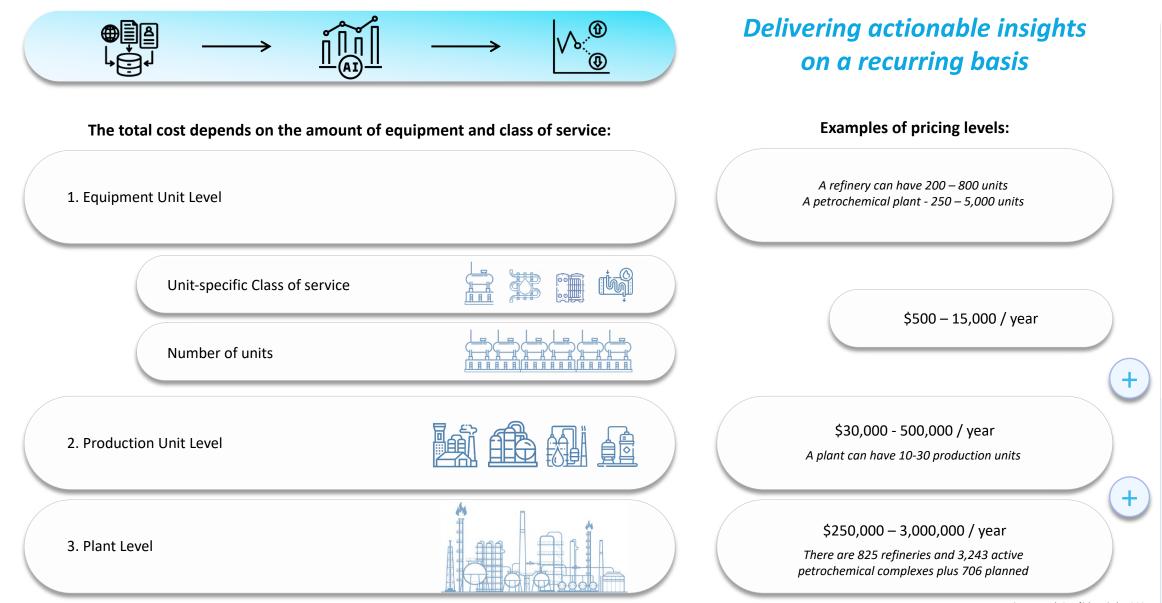


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# We market our DecarbonX AI directly, while increasingly licensing our chemistry technology to incumbents

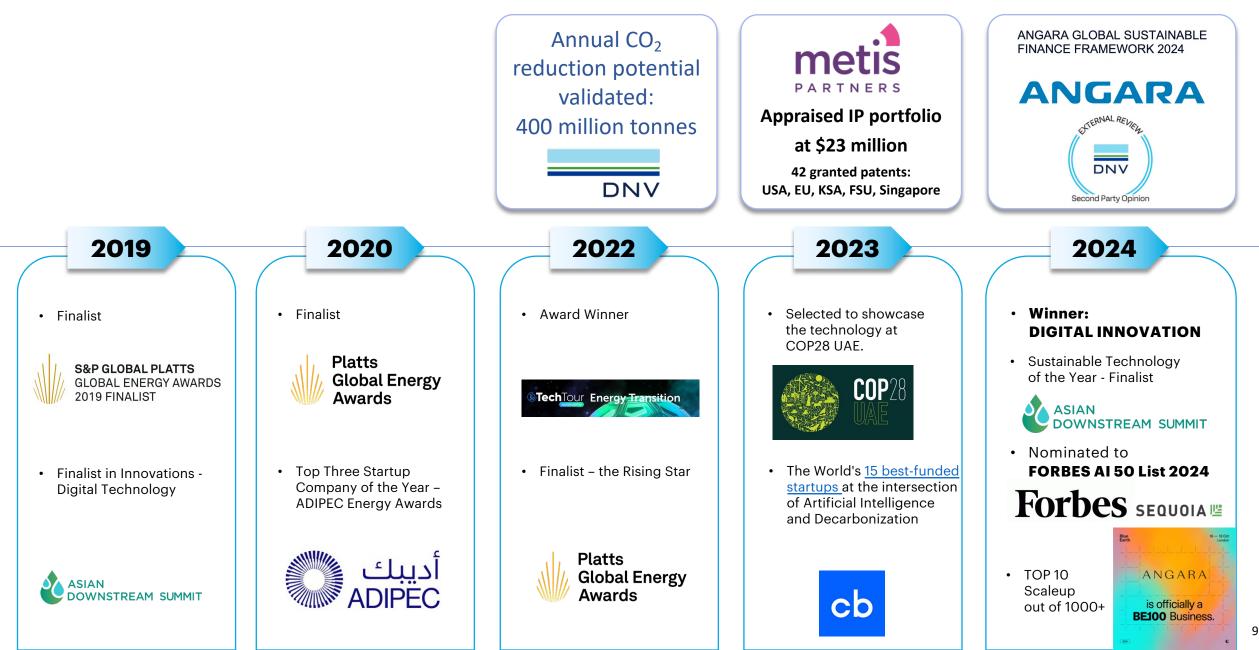


## **DecarbonX AI analytics is sold on subscription**



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## Awards, honors, recognition, validation



## Customers appreciate the big tangible benefits they get

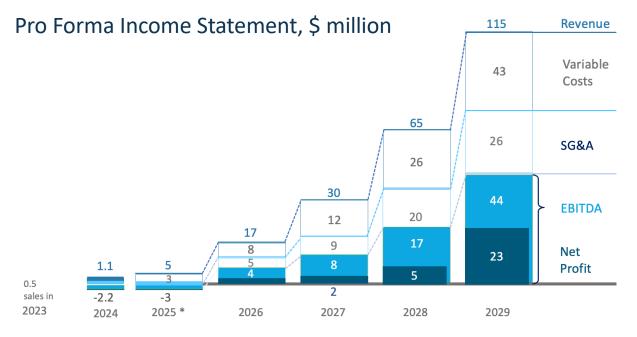
		Unit	Customer Net Economic Impact	Action scenarios results	
Enterprise		Corporate Center of Excellence	<b>\$200,000,000</b> of degradation risk portfolio management / year	Daily orchestration of ~1,000 equipment units Being rolled out to 11,700 equipment units DecarbonX - approved as a Standard Operating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

### **Proven Market Fit and Solid Traction to Profitability in 2026**

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



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



#### **Our Clients and Prospects Include**

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

## **Multiple Markets**

**DECAR**BONX

## Already used commercially in:

### Is in pilot or planned:





Refining

Chemicals Petrochemicals

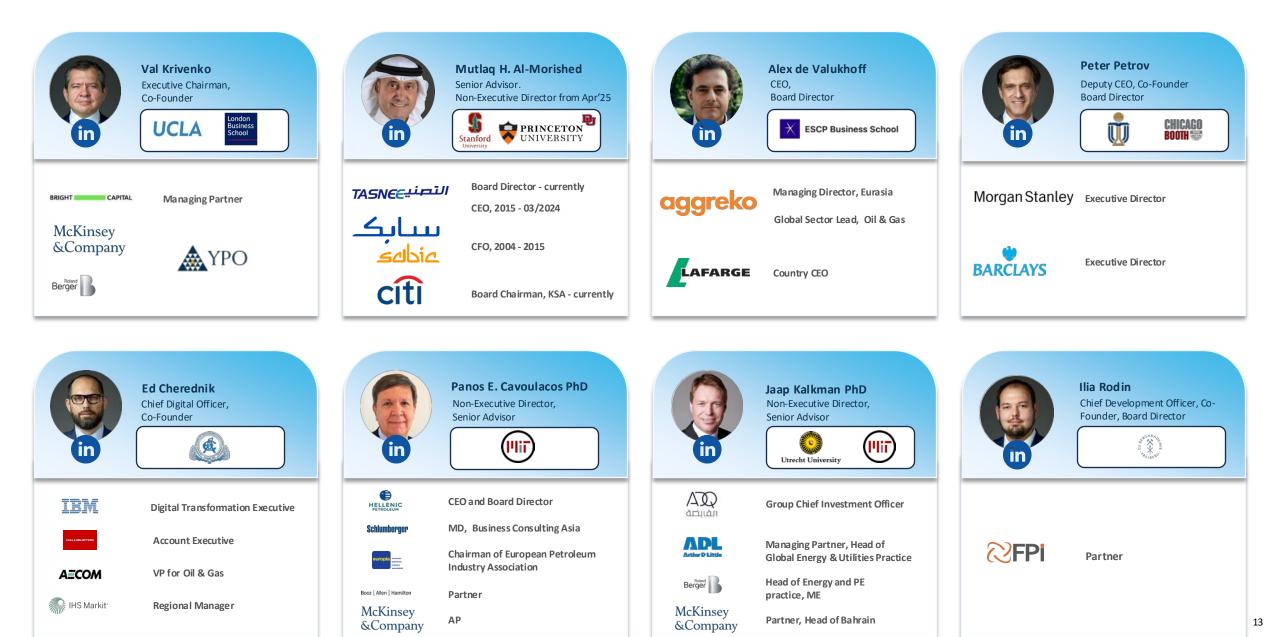
Food Fertilizers Agriculture

Biofuels Plastics recycling

Water

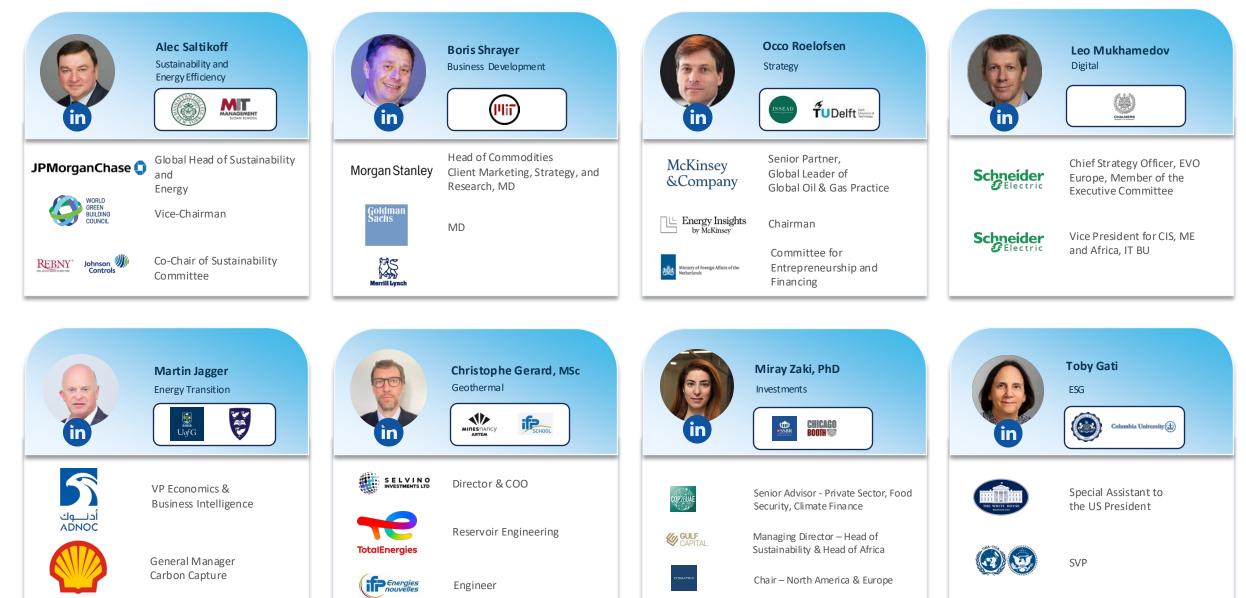
Geothermal Power gen

### **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





### **Contact Information**

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## DECARBONX by angara

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