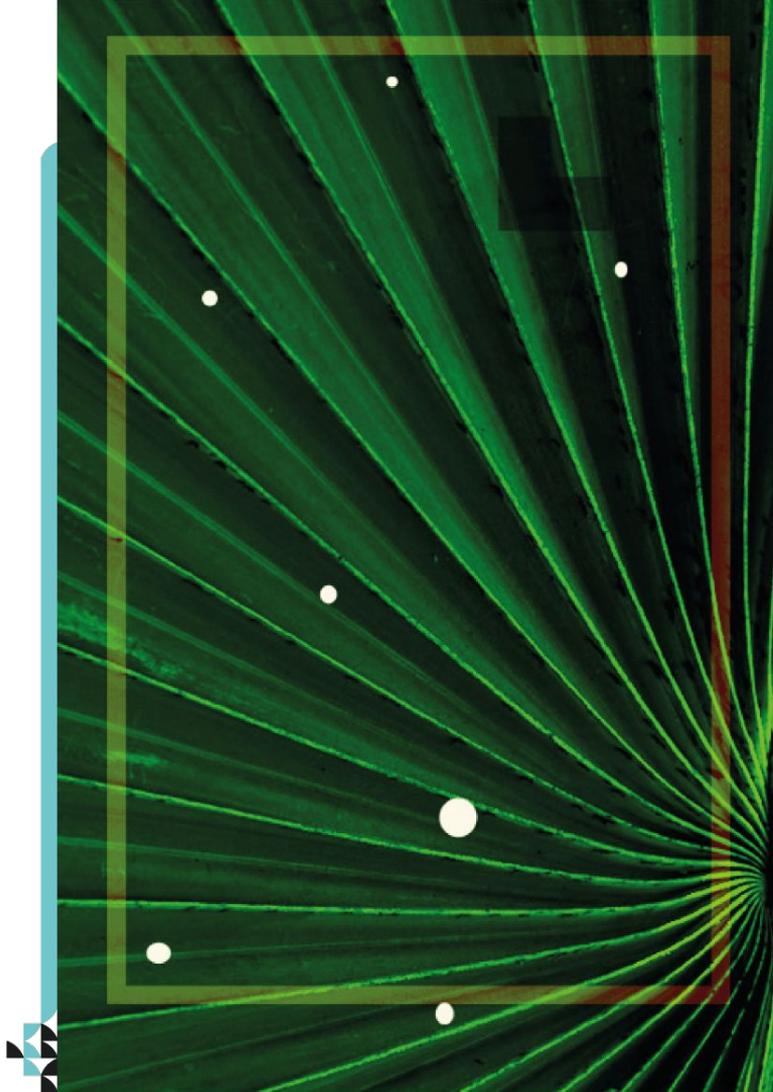


L/9 Level Nine.

Next-generation catalysts to unlock a competitive and resilient chemical industry.

Introduction Deck
January, 2026



Why Now: Now more than ever, chemical companies need to move from petroleum-based to bio-based feedstocks.

THE PROMISE OF TOMORROW'S BIOBASED CHEMICAL VALUE CHAINS



SUPPLY-CHAIN RESILIENCE

- Local availability and greater diversity of feedstocks increases resilience of chemical supply chains and reduces exposure to geopolitical disruptions.



COMPETITIVE ADVANTAGE

- Chemical companies under pressure to decarbonise, but can't afford to pay a green premium.
- Price volatility in fossil feedstocks driving exploration of alternatives.



REGULATORY DRIVERS

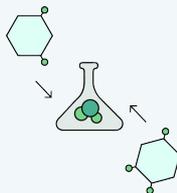
- EU Renewable Energy Directive (RED III) mandating biobased content
- Corporate net-zero commitments requiring low-carbon supply chains

Problem: But chemical companies today are still dependent on catalysts that were developed decades ago for the oil and gas industry.

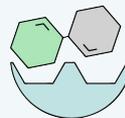
... BUT NO CATALYSTS EXIST THAT CAN PRODUCE **CHEMICALS** FROM **BIOBASED FEEDSTOCKS**. UNTIL NOW.

~90%

OF CHEMICALS ARE PRODUCED USING A CATALYST...

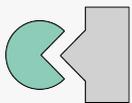


TRADITIONAL CATALYSTS DON'T WORK ON BIOBASED FEEDSTOCKS.



ENZYMES DON'T WORK IN HARSH INDUSTRIAL CHEMICAL PROCESSES.

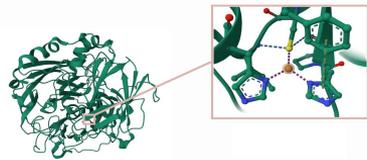
FORMING A KEY BOTTLENECK TO COST-EFFECTIVE BIOBASED CHEMICAL PRODUCTION.



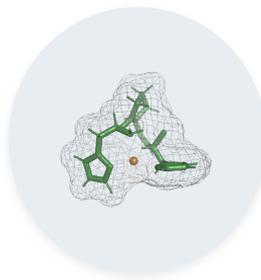
WHAT IF WE COULD **RE-IMAGINE ENZYMES FROM FIRST PRINCIPLES** TO CREATE THE **PERFECT CATALYST FOR BIOBASED CHEMISTRY?**

Solution: With our unique nanozyme technology, we are re-imagining enzymes from first principles to unlock low-cost, energy-efficient, fossil-free chemical building blocks.

NANOZYMES: INSPired BY NATURE, BUILT FOR THE TRILLION-DOLLAR CHEMISTRY INDUSTRY



LESS THAN 1% OF AN ENZYME - THE ACTIVE SITE
- IS RESPONSIBLE FOR ITS CATALYTIC ACTIVITY

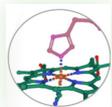
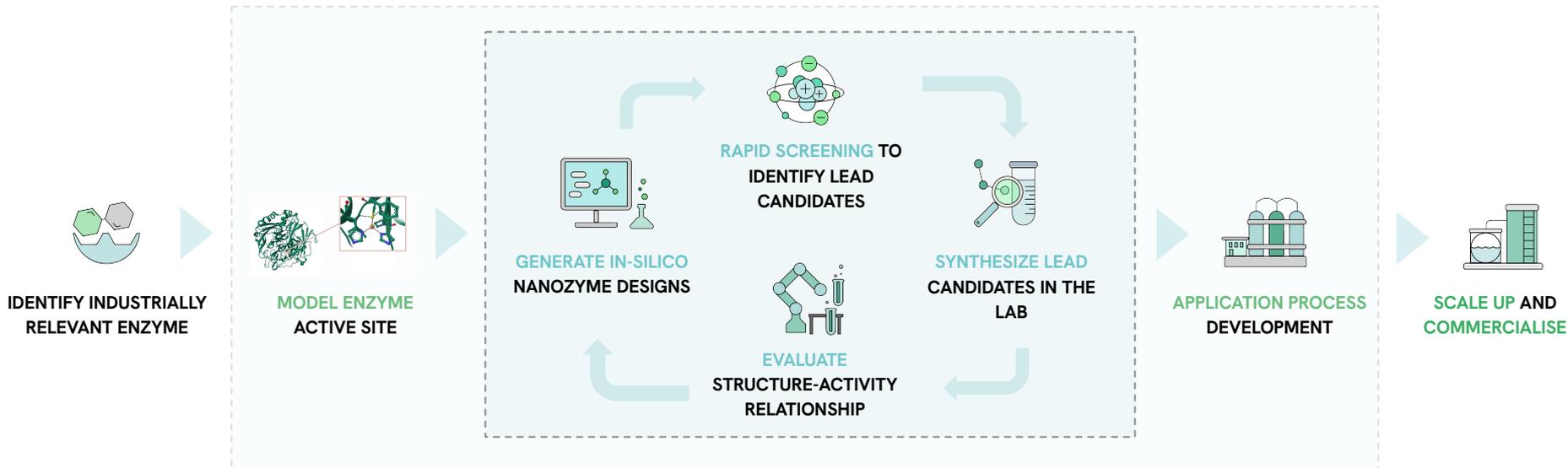


OUR NANOZYMES MIMIC THE BEHAVIOUR OF JUST THIS ACTIVE SITE,
BUT DESIGNED TO BE PERFECTLY ADAPTED FOR INDUSTRIALLY
RELEVANT CONDITIONS

- + Biomimetic Design
- + Stable in Harsh Conditions
- + Ideal for Biobased Feedstocks
- + Cheap and Easy to Scale

Platform: Powered by AI and quantum chemistry, our technology platform allows us to take any enzyme in nature and adopt it for industrial conditions.

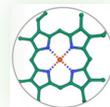
L/9'S NEXT-GENERATION CATALYST PLATFORM



Our model leverages protein databases to learn from nature (~16 billion data points), supplemented with **proprietary data** from our lab.



Driven by **proprietary machine learning models**, iteration cycles reduced from five months to **mere minutes**.



With our **AI-Driven Retro-Synthesis Models**, cost and feasibility of synthesis are baked into the design process from first principles.

Business Model: We have a flexible business model that allows us to scale our revenues in line with the value we create for our customers.

INTERNAL PIPELINE OF BREAKTHROUGH MOLECULES

	APPLICATION	MARKET POTENTIAL	TRL				
			LAB	PROTOTYPE	PILOT	DEMO	COMMERCIAL
NZ1	CHEMICAL	~€50B					
NZ2	BIOFUELS	~€250Bn					

MULTIPLE INDUSTRY-STANDARD COMMERCIALISATION PATHWAYS

BALANCING FASTEST PATH TO BANKABILITY AND DE-RISKING WITH FLEXIBILITY TO MAXIMISE VALUE CAPTURE AND PLATFORM REPEATABILITY.



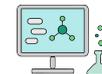
STRATEGIC PARTNERSHIPS

Leverage our unique technology platform to develop custom solutions to support a client's decarbonisation journey.



JOINT VENTURES

Partner with a client in the commercial roll-out of the system to capture more value.



DIRECT LICENCING

Scale up nanozyme systems to demo-scale and then licence technology to client.

Beachhead Molecule: With our first nanozyme, we have unlocked biobased polyols at lower cost and higher performance - now getting scaled in production.

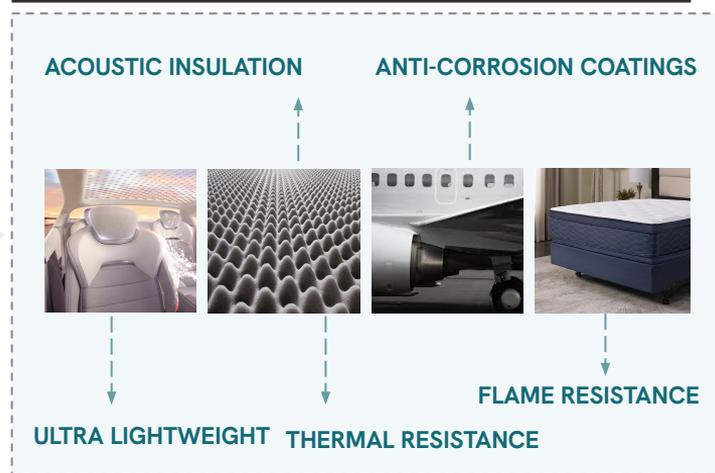


BIOBASED POLYOLS

High-volume, high-value **chemical building blocks** for **performance materials** used in a countless industries, from aerospace to automotive and construction.

OUR BEACHHEAD MOLECULE

POLYURETHANES: PERFORMANCE POLYMERS WITH INCREDIBLE PROPERTIES.



FOR A HIGH-VALUE BEACHHEAD MARKET



PROFITABLE PROCESS

Our process is mild, low-cost, and overall highly profitable.



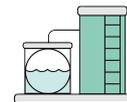
NO GREEN PREMIUM

We don't require a green premium to compete with petrochemicals on price.



UNIQUE MATERIAL PROPERTIES

Aromatic structure enables unique properties not possible with other feedstocks.

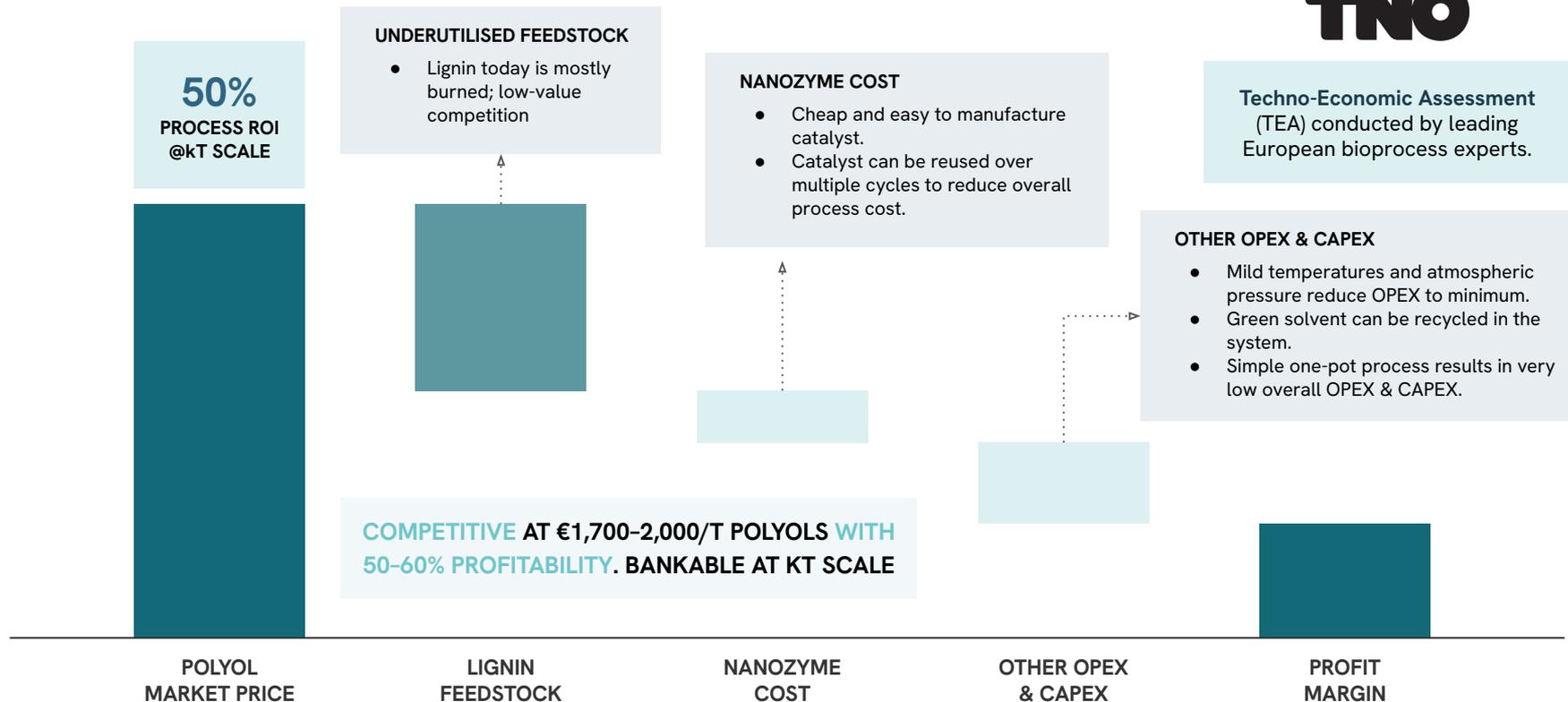


PROVEN AT SCALE

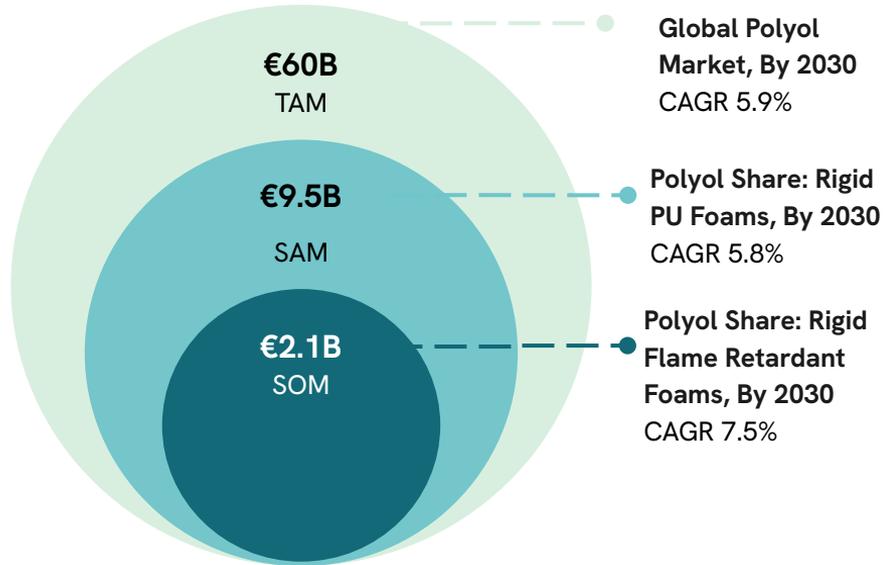
Successful 50L Pilot demonstration completed with external partner, ready for 350L.

WITH A CLEAR PATH TO WINNING

TEA: Our patent-pending process is safe, sustainable, and we don't require a green premium to compete with petrochemicals on price.



Beachhead Market: This is huge and fast-growing market, and with our first molecule alone we have a clear path to > €100m in revenue.



A CLEAR ROADMAP TO MARKET ENTRY

NEAR TERM (1-3YS)

- Complete 5.000L demonstration
- Secure off-takes (€5M upfront) for demo-scale plant
- File 3-5 additional patents

MID-TERM (3-5YS)

- First commercial plant (30kT capacity) operational, €50m+ revenues.
- 2-3 strategic partnership agreements with major chemical companies for platform development.

LONG-TERM (5+YS)

- Multiple commercial plants (250kT+ capacity) operational
- Expanding portfolio of catalysts across 5+ chemical classes
- Annual recurring revenue from first process >€100M

Next Application: With our second nanozyme in development we are solving one of the 'holy grails' of biocatalysis - and we have early customer backing to do it.

REPEATING THE PLAYBOOK: CAN OUR NANOZYMES SUCCEED WHERE ENZYMES HAVE FAILED?

novonesis

THE ENZYME ROUTE

Novonesis has an enzyme route to produce biodiesel from renewable fatty acids.

NOT A DROP-IN SOLUTION

Not a drop-in solution, the end products suffer from poor compatibility and low calorific content.

NESTE

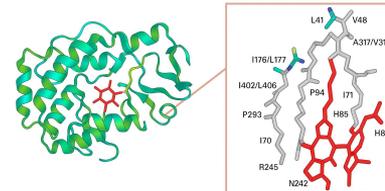
THE TRADITIONAL CATALYST ROUTE

Neste has a commercial-scale biodiesel process, which follows a deoxygenation route using hydrogen.

NOT LONG-TERM FEASIBLE

The process is energy-intensive, costly, and requires hydrogen to work, which in the long-term will be an increasing limitation.

OUR TARGET: UNLOCKING A PURE DROP-IN BIODIESEL SOLUTION FROM RENEWABLE FATTY ACIDS



NOVONESIS: "a fatty acid decarboxylase would be the holy grail of biocatalysis".

ONGOING PROJECT:

SPRIN-D

BUNDESAGENTUR
FÜR SPRUNGINNOVATIONEN



- + €250bn Market Opportunity
- + Ideal Nanozyme Use Case
- + No Viable Competing Solutions
- + Lots of Funding Available

Team: We are a team of interdisciplinary scientists and experienced operators, supported by world-class partners and investors.



SEADNA QUIGLEY, CEO



PREVIOUSLY **CFO** AT 140-PERSON BIO-ECONOMY STARTUP; **REPEAT** FOUNDER



EMILY SHERIDAN, CTO



PHD IN BIO-NANOTECHNOLOGY; ENZYMES, PROTEIN CRYSTALLOGRAPHY, AND BIOMIMETICS



MANUEL MAGALHAES
STRATEGY



DR. SAM OLOF
TECH STRATEGY



PROF. KALLOL RAY
SCIENTIFIC ADVISOR



SARAH JONES
BOARD MEMBER



DR. ARJAN SMIT
PROCESS SCALE-UP



GLYN TRUSCOTT
IP STRATEGY



PIPPA GAWLEY
BOARD OBSERVER



MARC WULLINGS
GTM & SALES



DR. ANJU
CATALYSIS



DR. DECLAN GALVIN
PROCESS



DR. PANKAJ MISHRA
PLATFORM



DR. EOIN O'NEILL
PROCESS



DR. SONIYA AHAMMAD
CATALYSIS & PLATFORM



VICTORIA ALVAREZ
PROCESS



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