



The World-Changing Process for Sustainable Aviation Fuels

SIMPLER. SMARTER. BETTER

4
Patents

5
TRL

>6M\$
Invested In R&D

>10
Years Of R&D

>20%
Reduction In Capex
And Opex

>100
Years Of Combined
Experience

>15,000h
Of Cumulative Catalyst
Testing Time



The World-**Changing Process** for SAF and Renewable Products

The patented technology was successfully tested for over 4,000 hours at a mini-pilot scale, where SAF samples were produced and found to be compliant with ASTM standards. The process is now being scaled up to a pilot unit, expected to be operational by mid-2025



ARIE SUSSELY
CEO&CO FOUNDER

- Entrepreneur co-founder CEO of NGV.
- Former senior executive in the public sector, and board member at Issta Ltd.
- EMBA graduate from Northwestern University Kellogg Business School of Management.



PROF. MOTI HERSKOWITZ
SENIOR ADVISOR&CO FOUNDER

- Inventor of NGV
- Professor of chemical engineering and researcher in the fields of advanced materials, heterogeneous catalysis, and reaction engineering.
- Has published over 160 papers and 27 patents based on basic and applied research.
- Serves as Director of the Blechner Center for Industrial Catalysis and Process Development.

TOMY HOS
CTO&CO FOUNDER

- Inventor and CTO of NGV.
- Holds MSc in Engineering
- Over 10 years of experience in developing renewable processes.
- Highly knowledgeable in the field of renewable fuels



The Problem Lies Deep

NGV is on a mission to reduce carbon footprint in various industries while producing highly valuable green liquid fuels and chemicals.

Converting carbon-rich waste streams, which are harmful to the environment, into valuable products requires a novel process that suits the available feedstock and eliminates the need for expensive gas conditioning and product upgrading.

Our technology utilizes CO₂, waste, and biomass, converting them through a catalytic process into valuable products. The more efficient, straightforward, and cost-effective process achieves over 90% CO₂ emissions reduction across its life cycle.



The Opportunity Soars High

Green fuels and chemicals are a pivotal component of the transportation and petrochemical industries' decarbonization efforts. Backed by an increasing consumer and regulatory demand for eco-friendly products, the use of SAF and renewable naphtha stands in a decisive point

20%

minimum blending
mandate by 2035

512Mt

global SAF
production in 2050

The Technology Carries Numerous Advantages Along The Production Process:

01

Extremely flexible and suitable for abundant feedstocks.

02

Its simplicity makes it feasible also at a small scale.

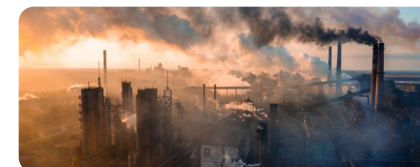
03

Economics improve with reduced wastewater effluents and the elimination of hydrogen enrichment and CO₂ removal steps.

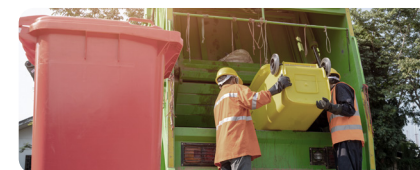
04

The catalysts involved are highly efficient and selective toward C₅-C₂₂ hydrocarbons, which increases the yield.

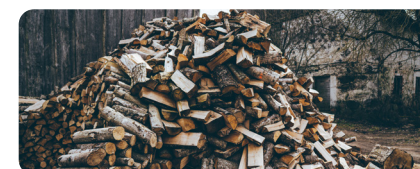
An innovative solution for converting diverse waste sources into sustainable products



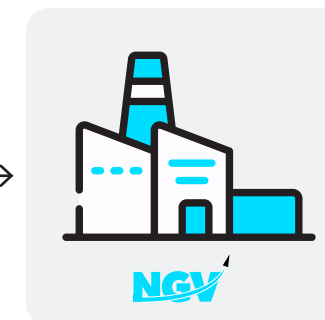
CO₂



MSW



Biomass



Sustainable Aviation Fuel



Transportation Fuel



Chemicals