



Revolutionizing **Titanium Dioxide** Production Through Sustainable Innovation

Environmentally Friendly & Green Manufacturing



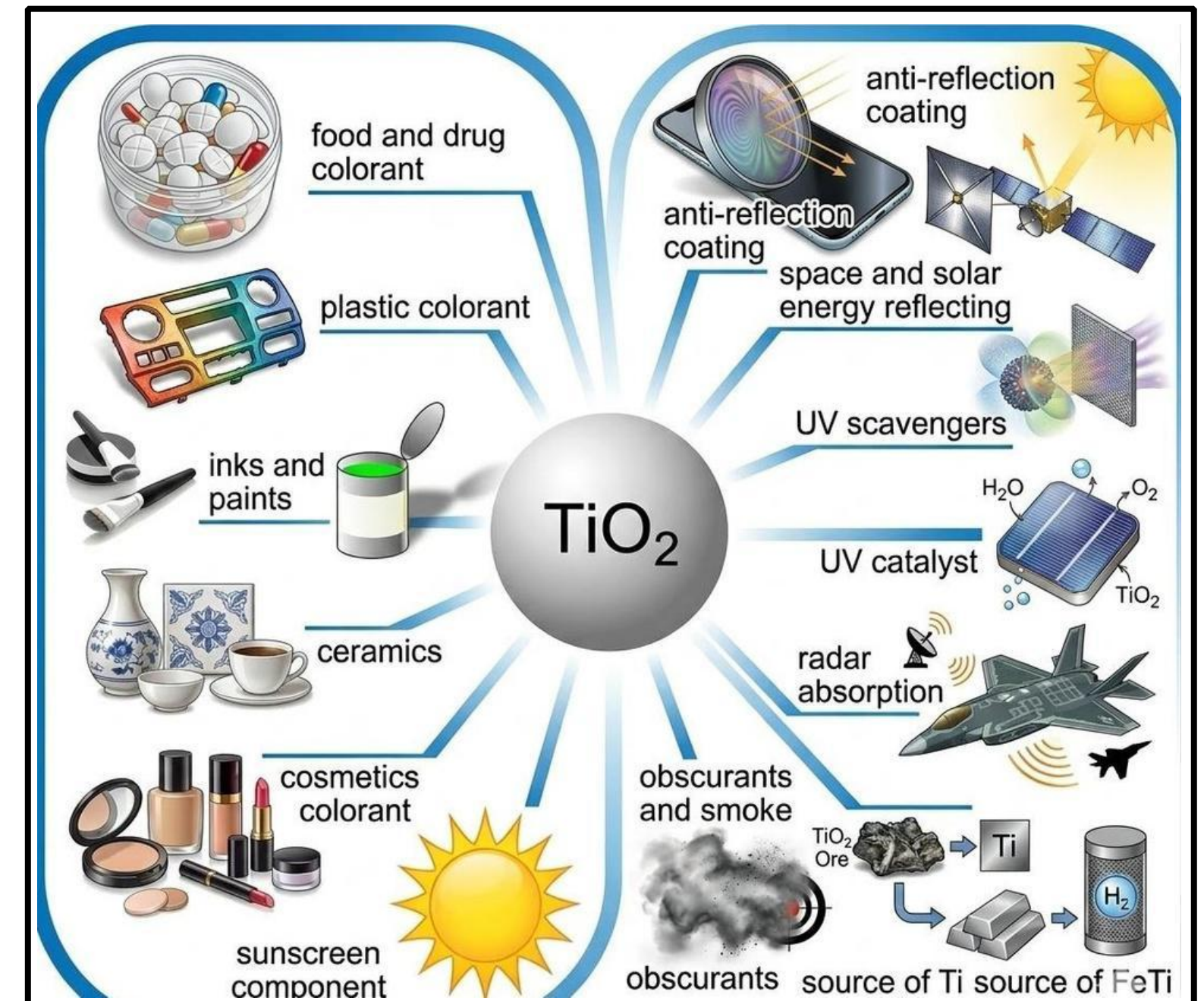
Why Titanium Dioxide

TiO₂ is widely used as a **non-toxic white pigment** and catalyst.

Annual production volume: **5.7 million tons**

Market size projected at **\$26.32B** by 2031

Consistent **CAGR of 7.7%** driven by multiple applications



TiO₂ Production Challenges



Energy Intensity

Current TiO₂ production is dominated by high-temperature calcination at **>1,000°C**.



Fixed Process

Traditional chloride/sulfate processes mostly producing rutile **or** anatase.



Purity and Size

Top-down method, requiring additional steps to achieve nanometric TiO₂.



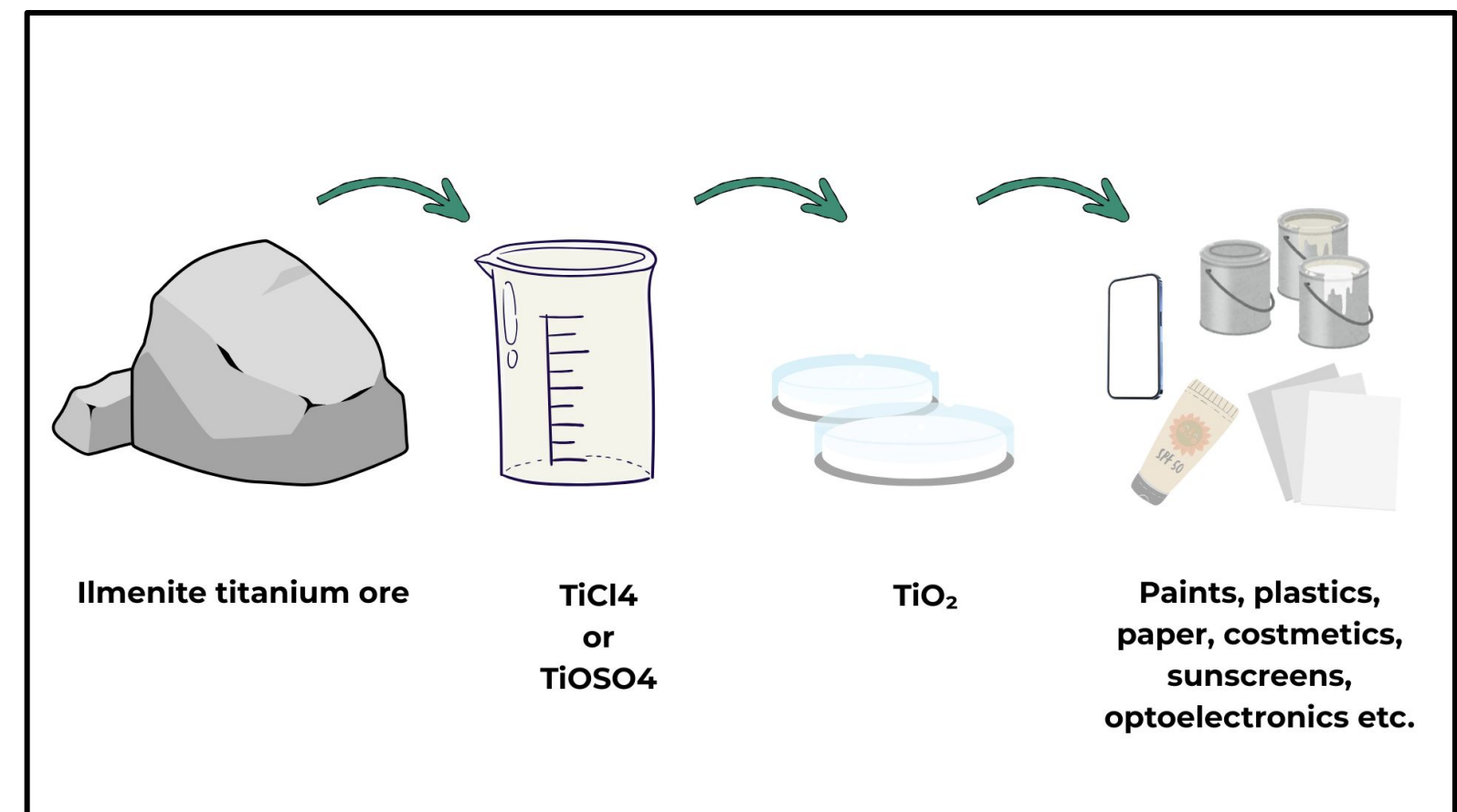
Regulatory Pressure

High CO₂ emissions. Industry demand for carbon footprint reduction.



Onshoring Goals

Western countries have an interest to reinstate domestic production of critical raw materials.



Our Solution

Our technology significantly improves sustainability and reduces costs.

↓ **70%**

Production cost
(\$/kg)

↓ **50%**

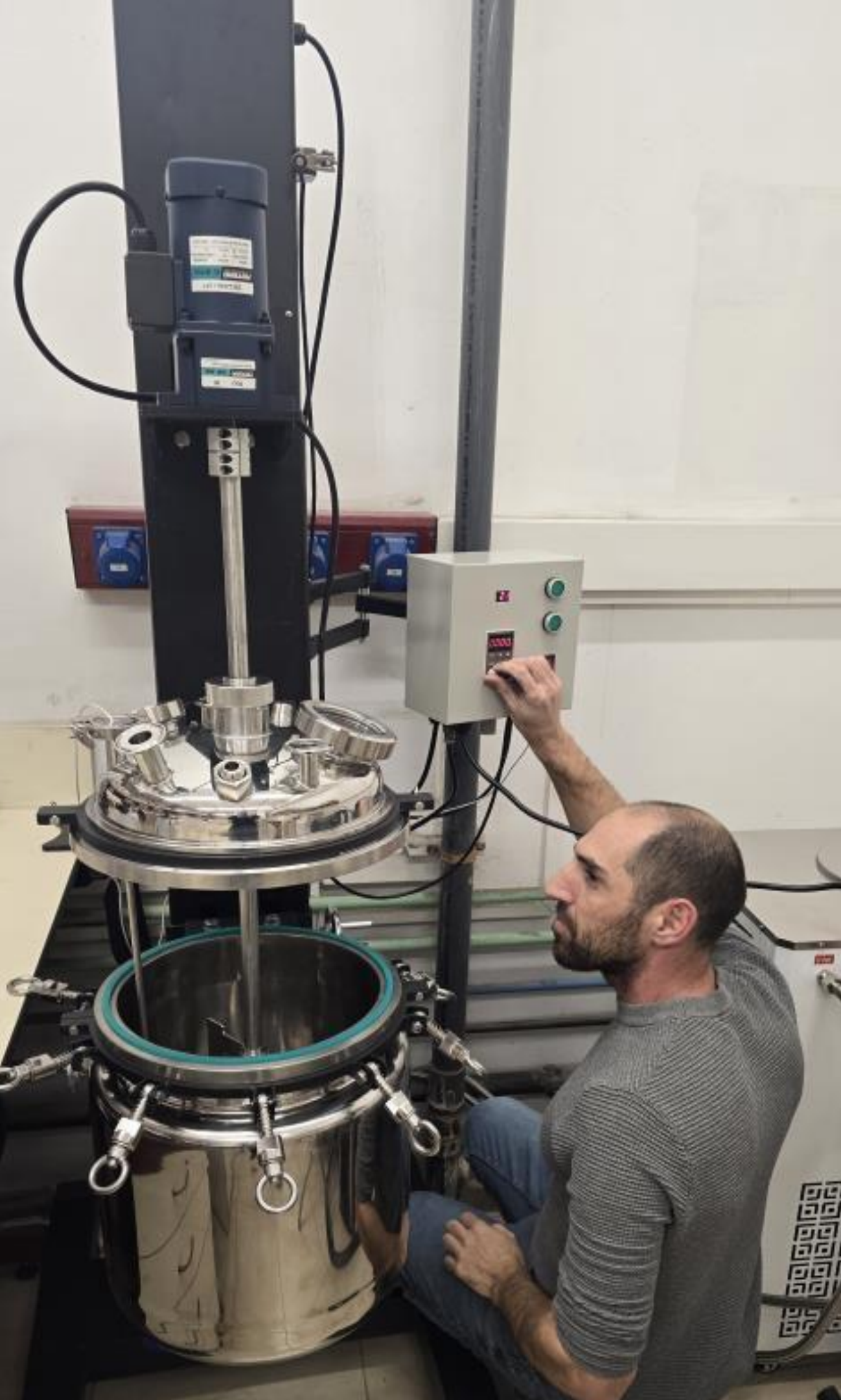
Process stages

↓ **90%**

Energy (kWh)

↓ **75%**

Carbon footprint
(tCO₂e/tTiO₂)



Revolutionizing TiO_2 Production

Rapid, environmentally friendly chemical oxidation technique based on **superoxide radical** that generates TiO_2 in just **minutes** and at **room temperature**



Multiple Feedstock Compatibility

Compatible with ilmenite, TiOSO_4 , and TiCl_4 feedstocks

Flexible Installation

Retrofit-compatible or complete replacement solution for existing facilities

Material Versatility

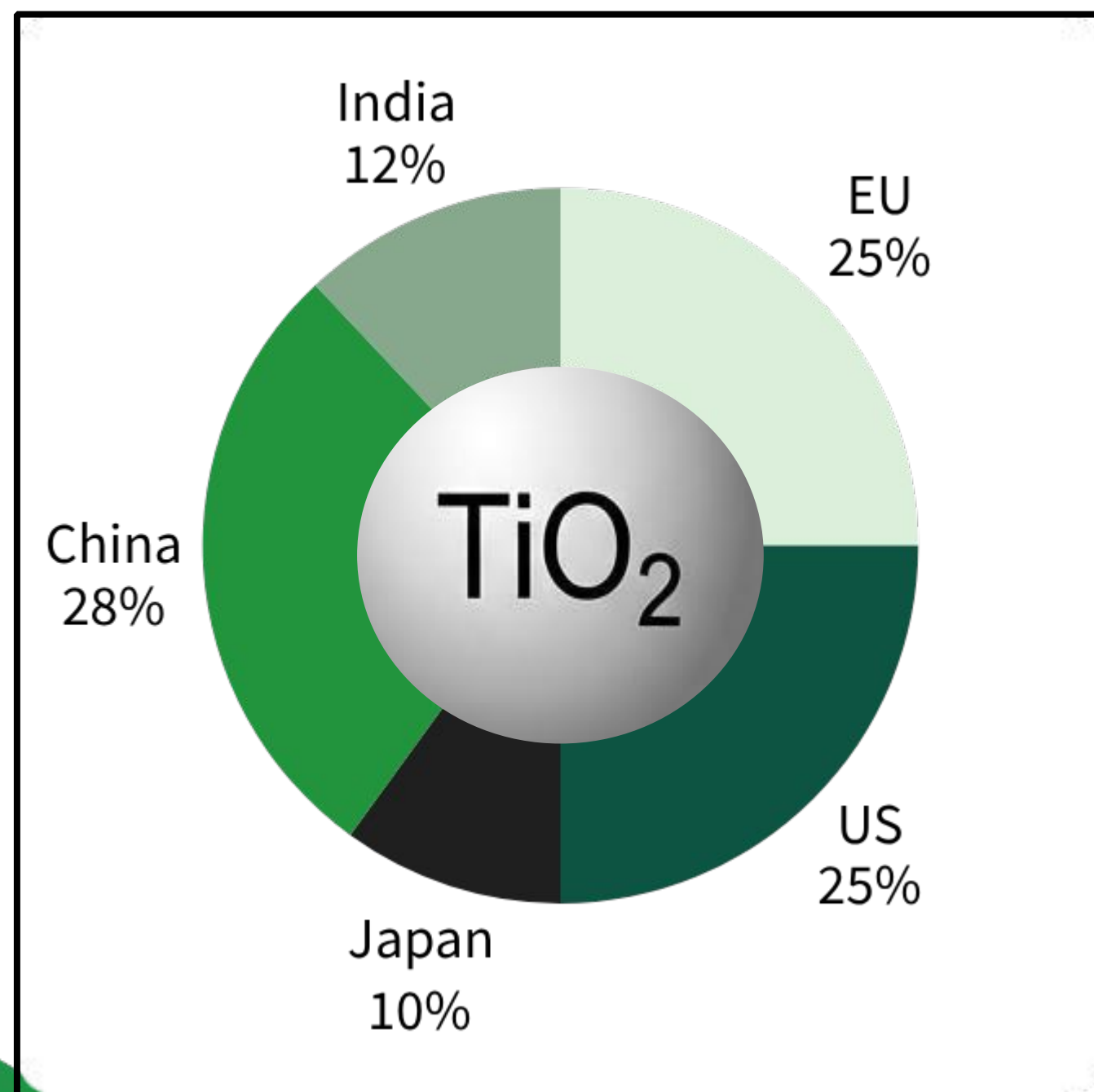
Produces sizes ranging nanometers to microns for diverse applications

Low Cost & Electricity

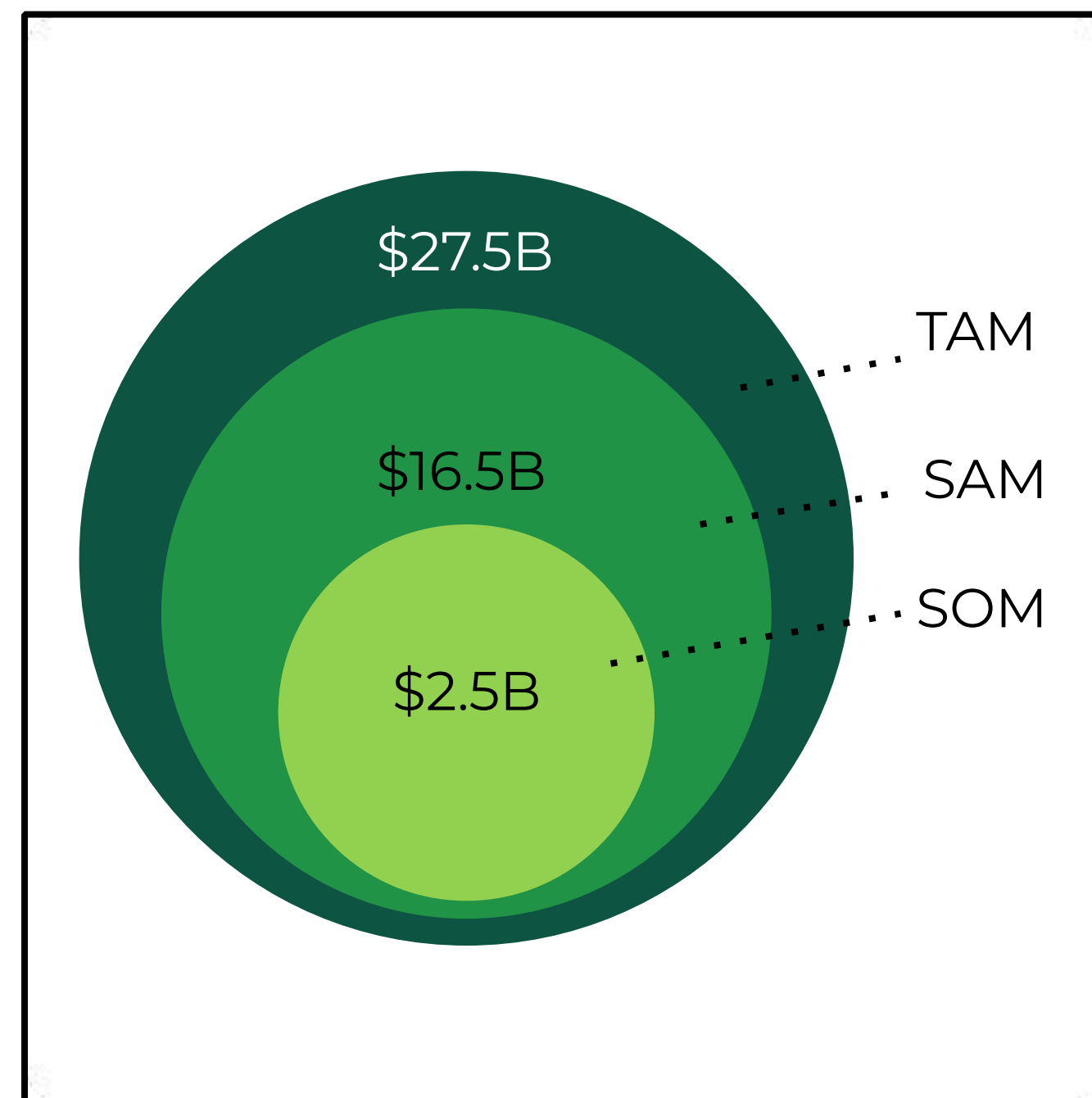
Environmentally friendly solution with a low carbon footprint

Market

Global TiO₂ Production Market Share

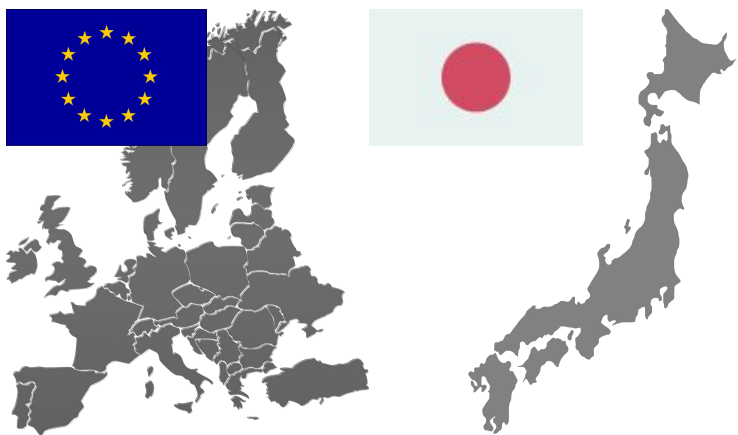


Global Available Market



Traction and Roadmap

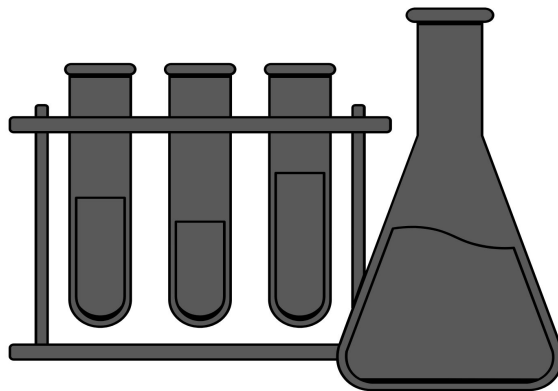
First Markets



- Trial partnerships underway for high- and low-grade applications
- LOIs signed with distributors

2026

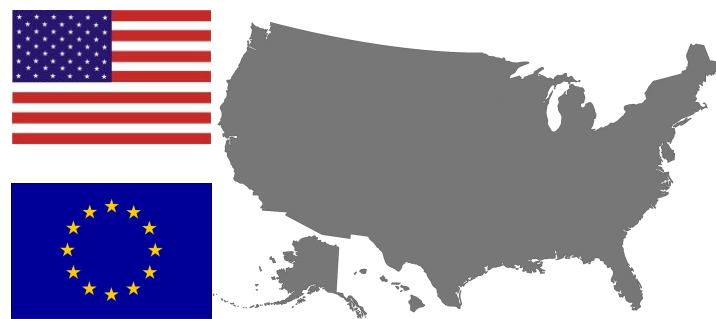
Next Phase



- 1 t/day plant for high-grade TiO₂ sales
- Licensing agreements explored with industrial manufacturers

2027

Future Expansion



- Revenue generated from direct sales
- Licensing agreement signed

2028

GreenTidio Team

Unique ability to grow GreenTidio and produce green-manufactured TiO_2 based on decades of experience in applied chemistry and building startups to scale.



Dr. Uri
Stoin

Co-Founder & CEO

Co-inventor of 30 patents and co-founder of several startups. Served as CEO, VP R&D, CTO, CSO, Chief Chemist.



Prof. Yoel
Sasson

Co-Founder & CSO

Co-inventor of 60 patents and co-founder of several startups. VP R&D at Makhteshim and DuPont.



Inbal
Tal
CFO

Experienced CFO, served as a CFO for a variety of private equity funds.



Estie Arram
Feder
CBDO

Seasoned professional with a background in technology transfer, accelerator management, and fundraising.



Dr. Ing. Avi
Kenigsberg
Senior Chemist

Experienced materials engineer and chemist with a proven record of research innovation.



Keren
Chaika, M.Sc.
Chemist

Skilled chemist with a record of research innovation and laboratory breakthroughs.

Thank You!

Estie Arram Feder

Chief Business Development Officer

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