BLOOH SOLUTION LTD.

EXPOSÉ

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Platinum Material Technologies

www.blooh-solution.com

Platinum: A Strategic Element of the Future

For decades, platinum has played a central role in energy technology—from NASA fuel cells to today's advanced hydrogen systems. BLOOH Solution builds on this industrial legacy, pushing it forward with groundbreaking applications in electrochemistry and energy technology.

As a noble metal-based material, platinum meets the highest standards for stability, conductivity, and corrosion resistance. Especially in safety-critical applications such as fuel cells, sensors, and medical technology, it remains irreplaceable.

Whether as a catalyst in hydrogen fuel cells, a thermal conductor in high-temperature sensors, or a biocompatible coating for implants—platinum lies at the heart of technological transformation.

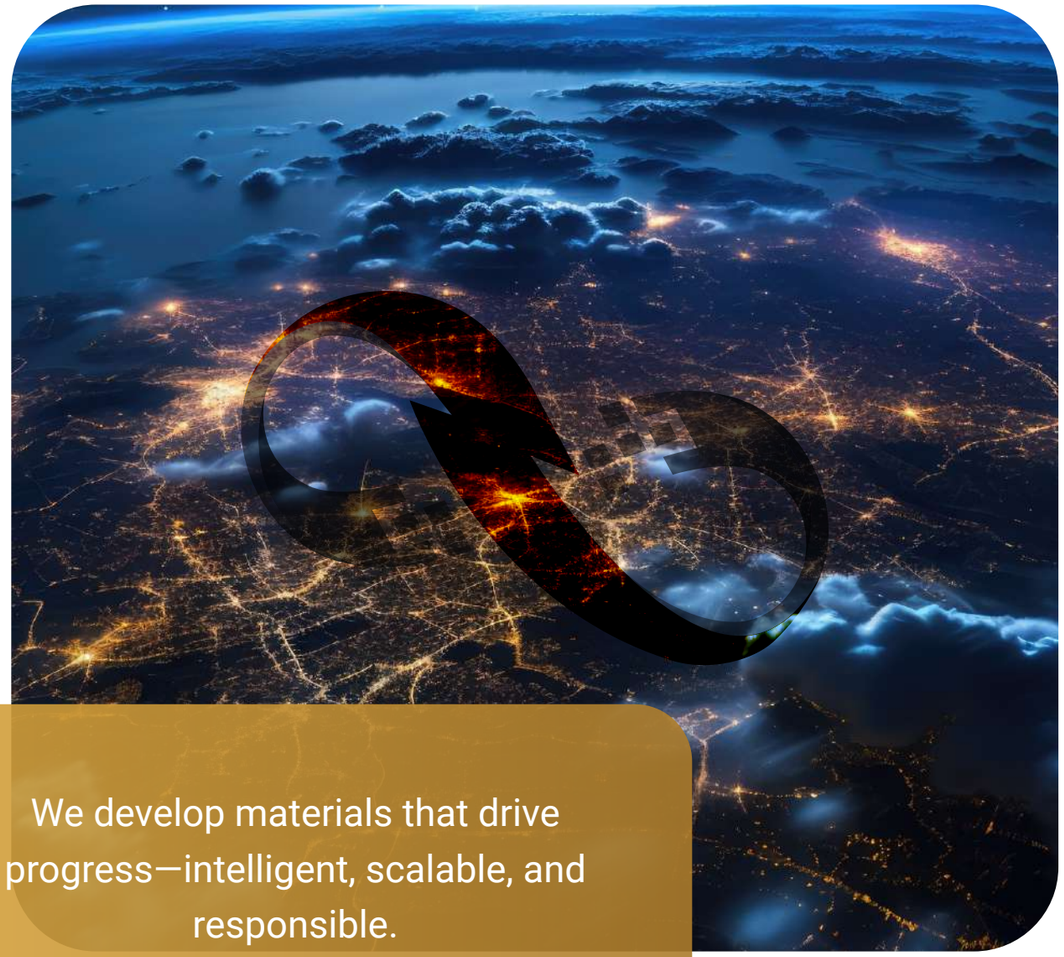
BLOOH Solution unlocks this potential with a product portfolio that merges performance, scalability, and material intelligence.

About Us

BLOOH Solution Ltd. is an innovation-driven company focused on the development of sustainable high-performance materials. After decades of work in the fields of lithium, hydrogen, and scandium, BLOOH Solution is strategically expanding its portfolio to include platinum—an element that enables key technologies across multiple future industries.

Our solutions are created at the intersection of research, industrial feasibility, and global market demand. We follow an interdisciplinary approach that integrates materials science, process optimization, and end-use applications from the very beginning.

With a network of industry partners, universities, and technology labs, BLOOH Solution is committed to developing functional materials for a zero-emission and digitized future.



We develop materials that drive progress—intelligent, scalable, and responsible.

Our Products

Next-Generation Fuel Cells

Platinum-based next-generation fuel cells with high power density and exceptional reliability—engineered for electric vehicles and stationary energy systems.

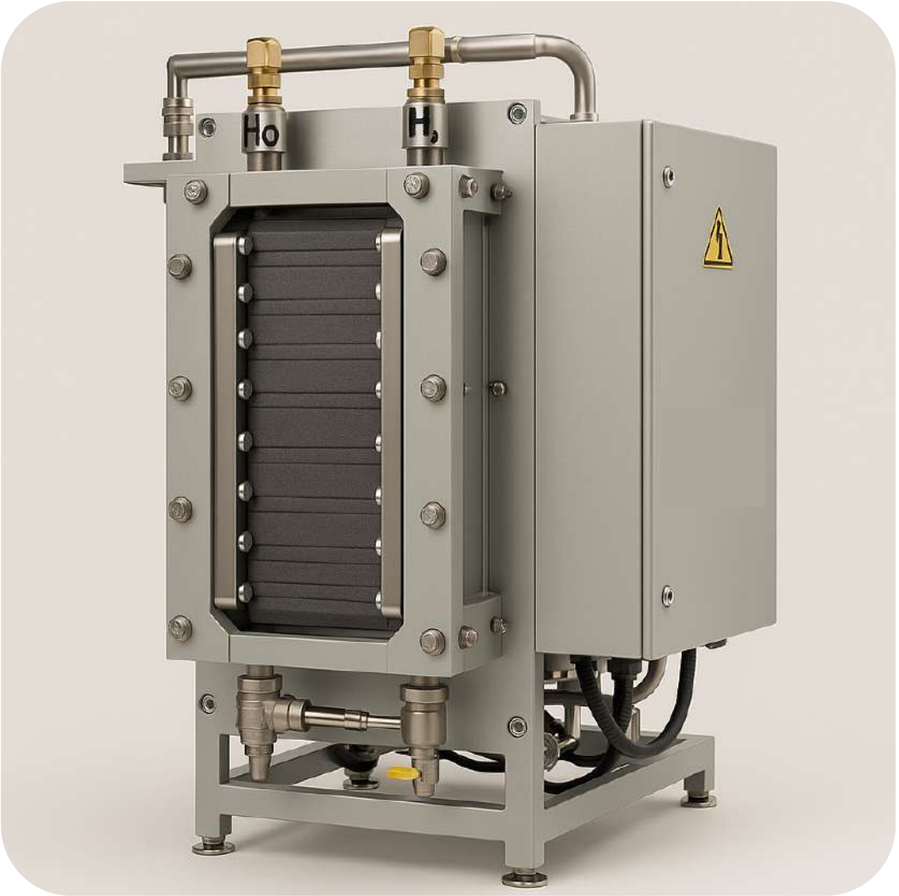
- **Applications**
  - Hydrogen mobility
  - Off-grid energy supply
- **Benefits**
  - High current density
  - Long service life under automotive conditions
  - Compact design

Our Products

High-Performance Electrolyzers

Efficient electrolyzers with platinum-based electrodes for green hydrogen production. The durable catalysts ensure stable hydrogen generation across many operating cycles.

- **Applications**
  - Hydrogen production plants
  - Industrial electrolysis & offshore platforms
- **Benefits**
  - Low energy consumption per kg of H_2
  - Long service life
  - Corrosion and temperature resistance



Our Products

Industrial Platinum Catalysts

Robust platinum catalysts for low-emission industrial processes, including ammonia synthesis, key pharmaceutical reactions, and exhaust gas treatment.

- **Applications**
  - Chemical synthesis
  - Emission control systems
  - Pharmaceutical industry
- **Benefits**
  - High selectivity and activity
  - Thermal stability up to 900°C
  - Recyclable & regenerable—suitable for medical technology

All platinum sources used by BLOOH Solution are conflict-free, fully traceable, and compliant with international ESG standards. We work exclusively with refineries that meet ISO 14001 requirements and operate a rigorous recovery program.

In addition, we invest in platinum recovery from electronic waste and industrial by-streams—contributing to the circular economy and securing our material supply.

With platinum, BLOOH Solution opens a new chapter in the development of intelligent high-performance materials. Our solutions stand for maximum efficiency, reliability, and technical precision—from zero-emission energy generation to aerospace and medical technology.

For us, platinum is not just a precious metal, but a driver of innovation in service of a more sustainable, connected, and healthier future.