



EXPOSÉ

BLOOH SOLUTION LTD.

| Advanced Gold-Based Technologies

Gold: The Conductor of the Future

Gold has always symbolized value—but its greatest strength lies in its performance. With unmatched conductivity, corrosion resistance, and stability under extreme conditions, gold is a key driver of future technologies. BLOOH Solution elevates this rare element beyond its traditional uses, integrating it into solutions that demand absolute precision, durability, and efficiency.

From printed electronics to power connections and thermal protection systems, gold is reestablishing itself as a cornerstone of high-end industrial innovation. While other materials fail, gold remains stable—ensuring connectivity, control, and system protection under the most demanding conditions.

At BLOOH Solution, we transform elemental brilliance into industrial utility. For us, gold is not a material to store—it's a resource to apply.



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BLOOH Solution Ltd. is a pioneer in innovation at the intersection of rare materials and applied energy systems. With active developments in hydrogen, lithium, ruthenium, and scandium, we push materials to their technological limits.

Our gold division continues this trajectory—developing next-generation coatings, flexible electronics, and conductivity technologies for critical applications. Headquartered in Edmonton, with R&D facilities in Europe and Asia, BLOOH Solution remains committed to sustainability, circular economy practices, and performance-driven implementation.

We take gold out of the vault—and lead it into the future.



From Element to Application – BLOOH Solution transforms raw potential into real performance.

Our Products

Ultrathin Gold Coatings for Extreme Environments

Nanoscale gold coatings developed for corrosion protection and long-term durability under high stress. With excellent adhesion to various substrates and stability at extreme temperatures, they are ideal for safety-critical applications.

- **Applications**

- Turbines and connection points in aerospace
- Offshore platforms and deep-sea electronics
- Medical housings and surgical instruments

- **Benefits**

- Unmatched resistance to oxidation and corrosion
- High reflectivity and biocompatibility
- Ultrathin application with long-lasting adhesion



Our Products

Flexible Gold Circuits for Wearable Electronics

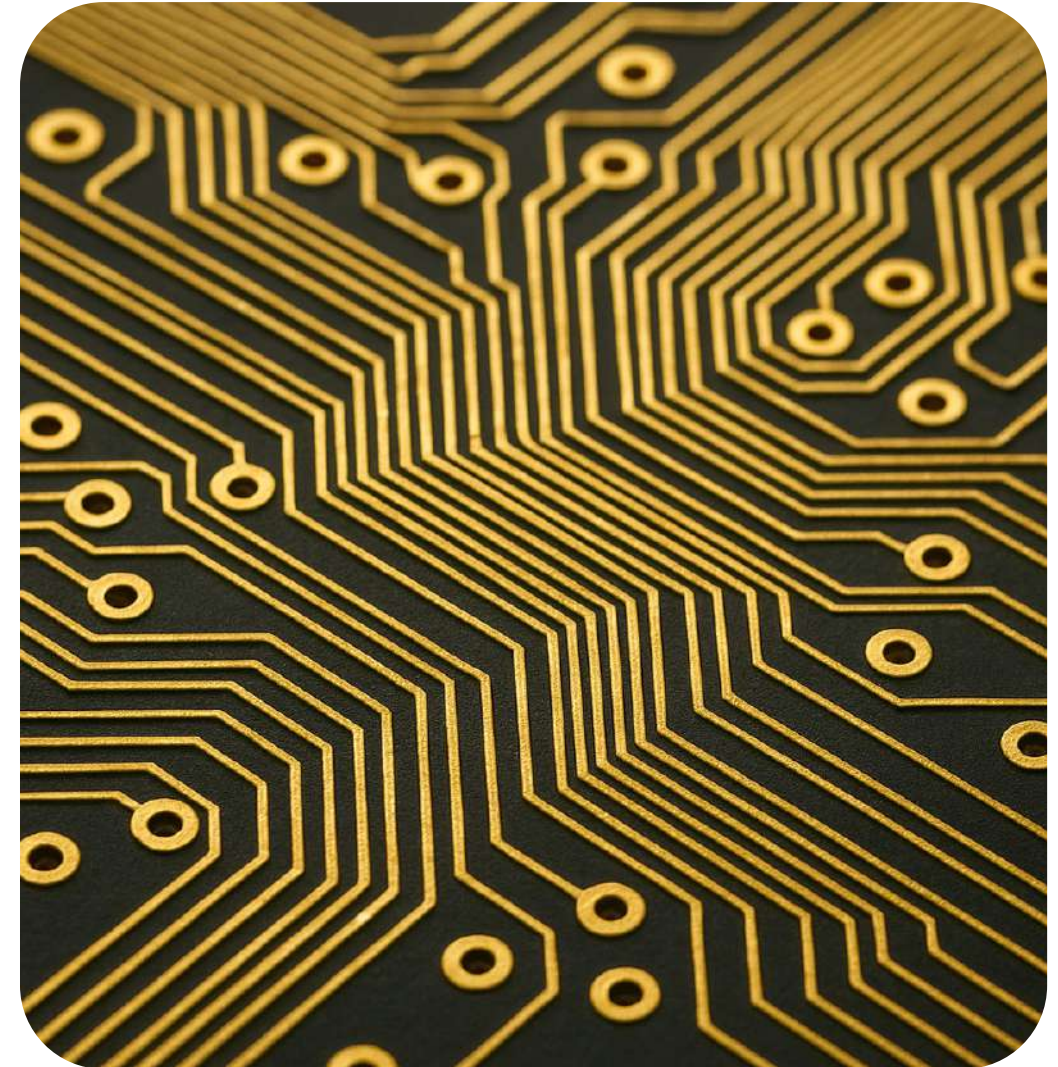
Printable gold circuits designed for flexible, durable, and highly conductive applications in medical and consumer technologies. They enable the integration of high-performance electronics into textiles and wearable devices while offering excellent biocompatibility.

- **Applications**

- Biometric sensors and wearables
- E-textiles and smart clothing
- Flexible PCBs and implants

- **Benefits**

- Outstanding conductivity under stress
- Non-toxic and skin-friendly
- Ideal for ultra-lightweight and mobile systems



Our Products

Gold-Coated Power Connectors

High-precision, gold-coated terminals for uninterrupted conductivity in demanding electrical systems. These contacts ensure consistent electrical performance even under heavy load, strong vibrations, or harsh environmental conditions.

- **Applications**

- Interfaces in EV batteries
- Grid connections and power modules
- Data and power links in aerospace

- **Benefits**

- Low contact resistance and minimal heat generation
- Maintains long-term signal quality
- High thermal and mechanical stability



Our Products

Infrared-Reflective Gold Foils

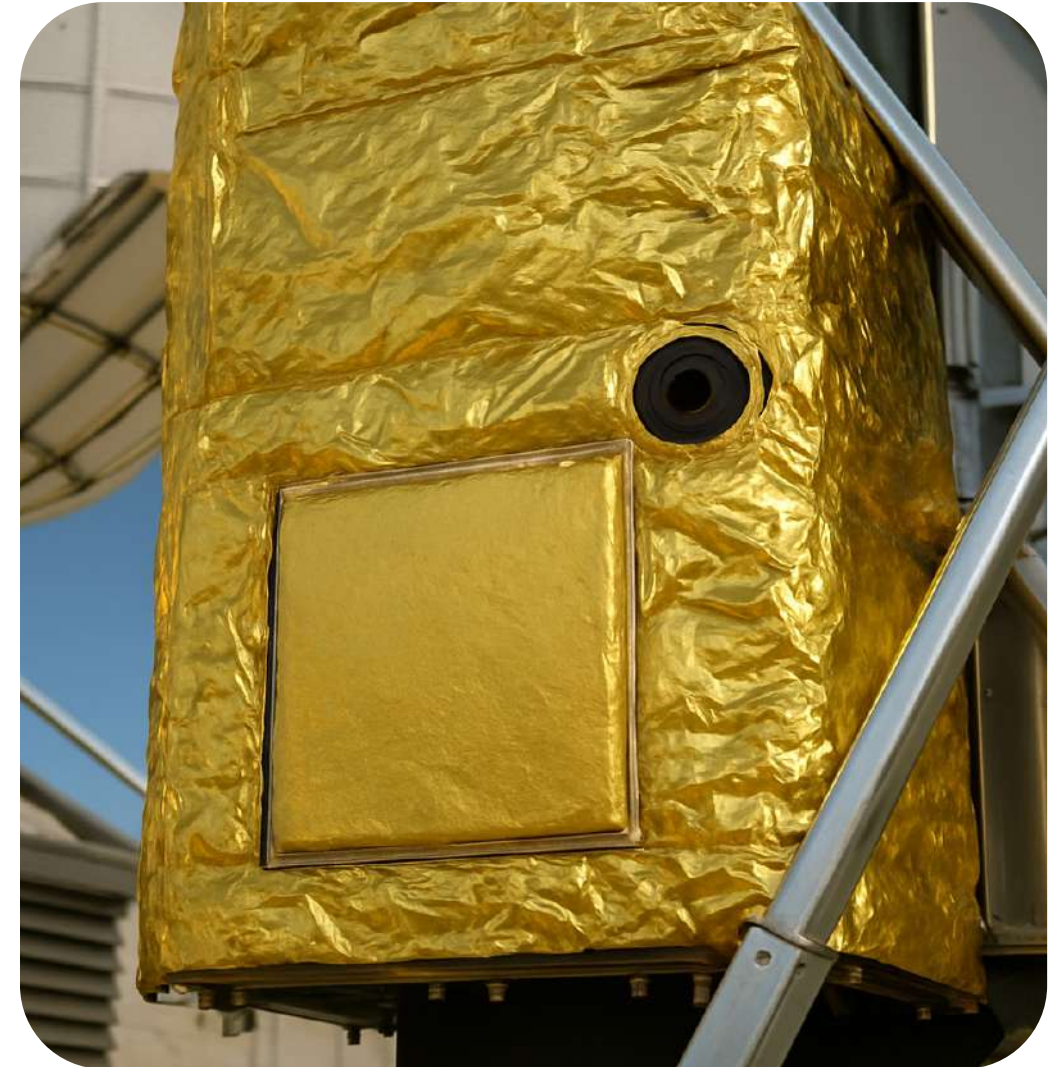
Thin gold foils for thermal regulation and infrared radiation protection in sensitive systems. They effectively reflect heat energy and help ensure precise temperature control in high-sensitivity components.

- **Applications**

- Satellites and aerospace technology
- Thermal protection in data centers
- Facades of smart buildings

- **Benefits**

- High reflectivity in the IR spectrum
- Lightweight and flexibly adaptable
- Contributes to reduced cooling effort and energy consumption



BLOOH Solution GoldTech embeds sustainability into sourcing, development, and application. Our supply chain prioritizes ethically sourced gold, including recycled and traceable materials. All coatings and components are engineered for durability, significantly reducing maintenance cycles and resource consumption.

Our goal is to reduce waste, extend lifespan, and promote circular innovation with every gram of gold.



Gold is no longer just jewelry or a reserve asset—it now represents precision, protection, and performance. At BLOOH Solution, we have redefined this historic element: to electrify systems, enhance efficiency, and ensure reliable performance in critical applications.

