

PLATINUM GROUP METALS: Globally Sourced, Strategic for Europe

The essentiality of Platinum Group Metals

PGMs are all around us, often invisible, but essential. Platinum powers the green hydrogen revolution and, together with Rhodium, helps cut toxic emissions from your car. Palladium is likely in your smartphone or laptop. Iridium coats medical instruments, whilst Ruthenium is used in digital storage and clean industrial processes.



Automotive
emissions
control



Clean
mobility



Electronics &
semiconductors



Medical & dental
technologies



Aerospace
& defence
systems

EUROPE'S PGM LEADERSHIP DEPENDS ON TRUSTED PRODUCER PARTNERSHIPS



EUROPE CAN'T MINE WHAT IT DOESN'T HAVE

80% of platinum is mined
in Southern Africa



RECYCLING ALONE CAN'T MEET GROWING DEMAND

Even with advanced recycling,
global PGM demand requires
reliable primary supply



PARTNERSHIPS WILL UNLOCK OPPORTUNITY

Europe must deepen ties with
trusted PGM producers such as
South Africa and the UK

THE IPA CALLS ON EU POLICYMAKERS TO ACT ACROSS THREE PILLARS



SUPPORT HYDROGEN ADOPTION AND CLEAN MOBILITY

- Remove regulatory hurdles for the uptake of hydrogen
- Support PEM electrolyzers and FCEVs in the clean mobility mix, especially in heavy-duty vehicles



SCALE UP PGM RECYCLING ACROSS THE EU

- Increase collection targets
 - Support innovation across the value-chain
- Prevent export of end-of-life vehicles without proper PGM recovery



BUILD FAIR, RESILIENT TRADE PARTNERSHIPS

- Align Critical Raw Material Act (CRMA) and Global Gateway with producer-country development goals
- Support investment in South Africa to secure primary PGM supply while scaling EU recycling

EUROPE FACES A CHOICE: invest in strategic metals or fall behind in clean tech and resilience:



1. PGMs power clean tech

- Used in semiconductors, inverters, and charging systems, PGMs are essential to Europe's clean and digital infrastructure
- **16.6 tonnes** of palladium were used in electronics in 2024
- **77 tonnes** of platinum went to industrial uses like clean tech

2. PGMs are central to developing Europe's hydrogen economy

- The EU Hydrogen Strategy targets **10 million tonnes** of renewable hydrogen by 2030
- **Electrolysers**, essential in hydrogen vehicles, rely on PGMs, making them indispensable to scale up hydrogen use in transport
- But hydrogen vehicle production for **heavy-duty applications** is struggling due to the lack of infrastructure and subsidies

3. PGM recycling is a strategic opportunity for Europe

- Global PGM supply cannot meet demand without **recycling** (In 2024, demand of three key PGMs exceeded supply by **14%**)
- Europe has large PGM recycling capability, providing secure supply from its own "urban mine"
- Creating demand for PGM-based clean tech is key to securing long-term supply and scaling Europe's recycling market

FCEV: Fuel Cell Electric Vehicle

PEM Electrolysers: Proton Exchange Membrane electrolyzers, used for hydrogen production

ICE: Internal Combustion Engine