

# Simplifying circularity

with end-to-end PGM solutions



As a global leader in platinum group metals (PGMs), we enable a circular economy. We provide a fully integrated suite of PGM products and services – making us your one-stop partner for every stage of the PGM lifecycle. Our end-to-end approach helps you improve efficiency, secure supply, and unlock greater value in your operations through:

**01**

Secure and transparent PGM metal purchase options and management services

**02**

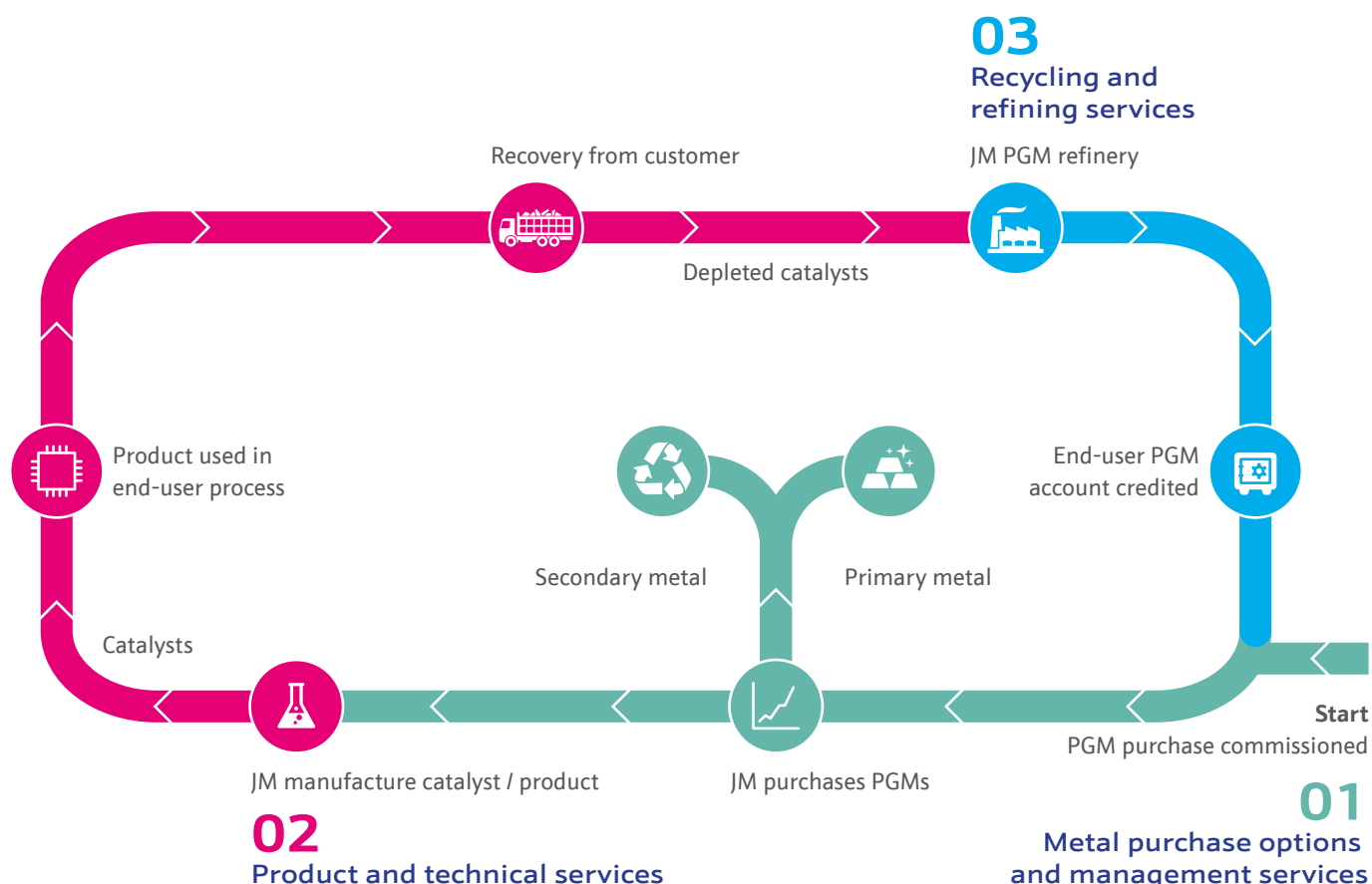
Advanced PGM catalysts, products and technical expertise

**03**

Industry leading PGM recycling and refining from complex materials, with a reliable, global network of partners

**04**

Unique market insights through our PGM market research





## 01

### Precious metals management

Our global team of Platinum Group Metal (PGM) experts support you in effectively sourcing and managing PGMs, enabling their sustainable and circular use.

#### PGM liquidity, purchasing and trading services

Our range of financial methods allow you to purchase PGMs securely and transparently, through:

- Spot and forward purchases, limit orders, average pricing.
- Material strategy optimisation and risk evaluation.

We have instant access to PGMs at any time and place. With our global reach, logistics and handling expertise, we ensure secure, efficient transport of PGMs across our network of JM hubs.

#### Sustainable sources of PGMs

We have world-leading expertise in securing a sustainable supply of PGMs. We provide:

- **Low carbon PGMs:** ~70% of metal in our products is recycled at our refineries and from geographically diversified secondary sources.
- **100% recycled PGMs:** available to select customers, with 98% lower carbon intensity than primary metal.
- **Highest standards of responsible, ethical sourcing and rigorous due diligence:** we only partner with reputable, highly regulated primary metal suppliers who adhere to top environmental, social and governance (ESG) standards.

## 02

### Advanced PGM catalysts, products and technical services

Through our expertise in PGMs we provide you with consistent, high performing products to overcome your most technical challenges, with recycling embedded into our product development approach.

#### High performance products

We have decades of experience designing advanced and durable products to custom specifications.

#### Global manufacturing

Our processes at our global manufacturing sites meet your exact specifications to the highest standards, with lab scale, pilot plant and bulk volume capabilities.

#### Process and product optimisation

Our specialist technical expertise is tailored to support your processes. We have extensive knowledge across all our product areas, including improving metal recovery at end-of-life.

PGM CHEMICALS AND CATALYSTS 

PGM INDUSTRIAL PRODUCTS 

PGM MANAGEMENT 



## 03 PGM refining and recycling

We are the world's largest secondary refiner of PGMs, and one of the few companies capable of refining all seven precious metals. We have the expert knowledge to adapt our highly advanced processes for different feeds, including complex, low-grade and non-PGM material. So we can help you embed circularity into your operations, delivering greater efficiency and value.

Working with a reliable network of partners, our industry-leading refining and recycling services cover the entire world. We offer:

- Reputable assaying services to accurately analyse the PGM content in your material so you receive the right amount of metal credit.
- Management of hazardous waste (e.g. PFAS) to reduce the associated risks.
- A trusted process, with 99.95% purity PGM accredited by the London Platinum & Palladium Market (LPPM).
- Refined material in a variety of forms, from chemical intermediates to pure PGM sponge, to best fit with your process.

PGM RECYCLING AND REFINING 

## 04 PGM market research

As a trusted authority on PGM markets, our world leading research team provides you with market insights for a strategic advantage.

### Unique market knowledge

We are the "go-to" company for our unique knowledge on the PGM markets.

### Tailored insights

We help you understand how the markets may develop and to optimise your specific business strategy.

### Advocacy

We work with governments and global organisations, helping policymakers and investors to understand the PGM markets and ensure PGMs are always on the agenda.

PGM MARKETS 