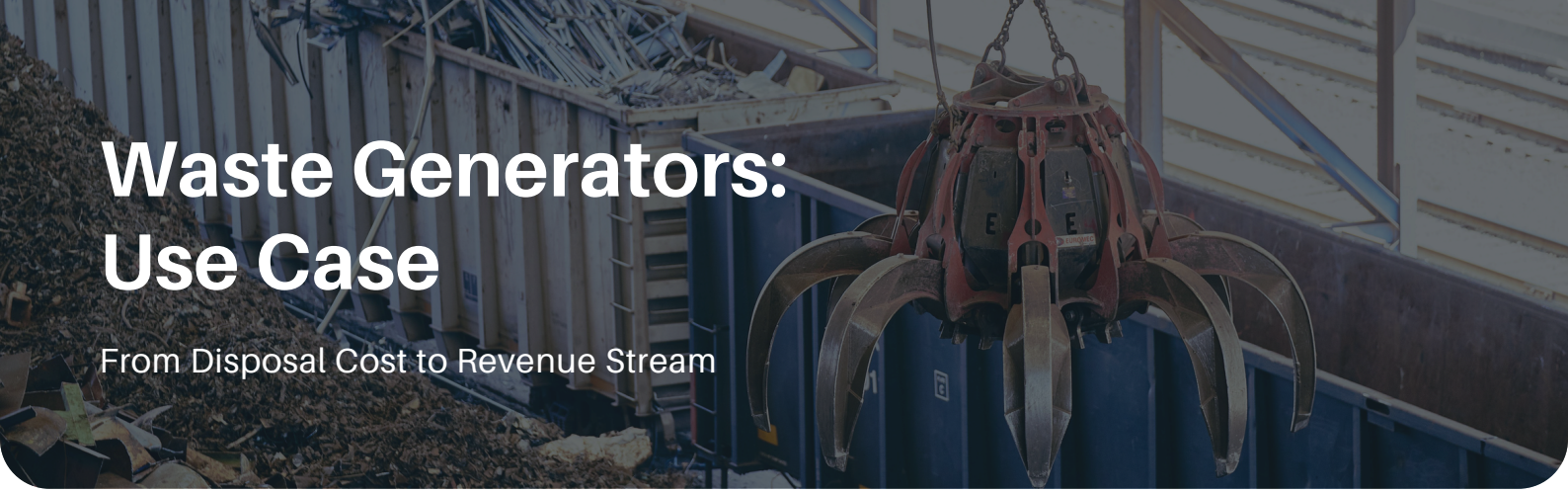

Waste Generators: Use Case

From Disposal Cost to Revenue Stream

At a glance

Stop paying to throw away your assets. APT gives you the laboratory-level intelligence to know exactly what your “waste” is worth before it leaves your dock.

Impact

Immediate value recovery by separating high-grade residuals from low-grade waste. Generators can negotiate based on the actual market value of their assets.

10X
Up to better valuation

75%
Less workload

APT

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CHALLENGES

Companies that generate industrial waste often do not know what to do with it. Documentation is manual, and transactions are inefficient. Without advanced analysis, scraps are mixed and sold to collectors at up to 90% below their intrinsic value.

SOLUTIONS

Use the APT Platform everywhere, from the office to the most remote locations in your facility:

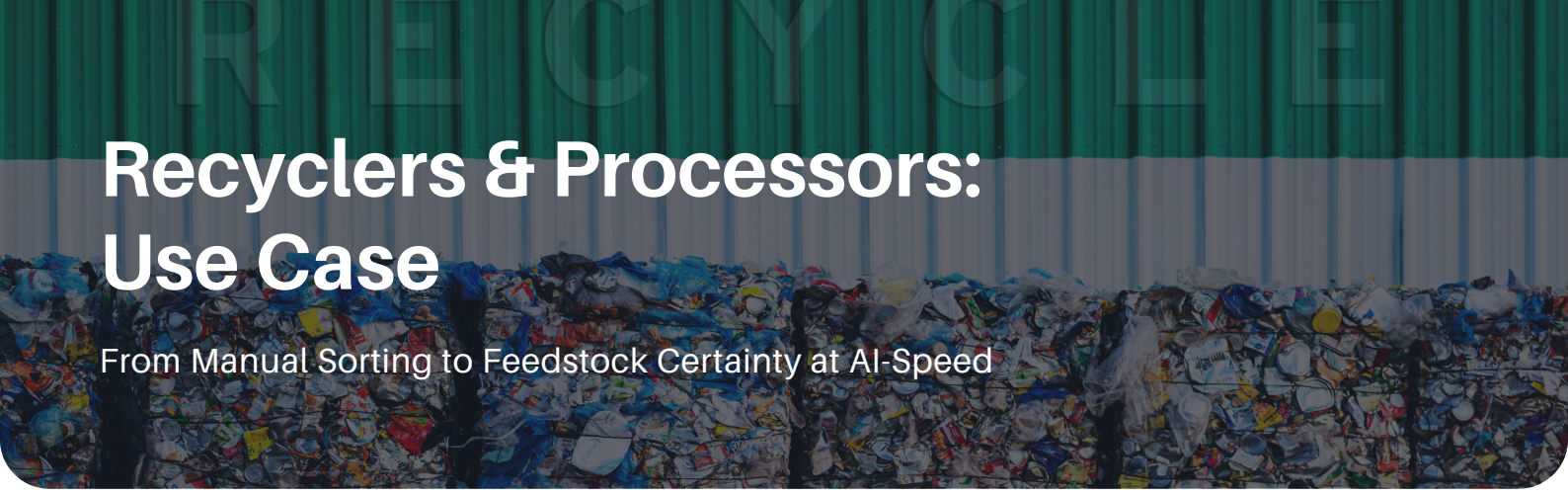
- AI-assisted material identification using smartphones to quickly identify waste materials on-site.
- A Digital Material Passport is generated per scrap for future tracking of composition, processing, and characteristics.
- Supply chain management connects you with suitable recyclers, automates manual paperwork in scrap logistics.
- Workflow automation for waste documentation, reporting, and operational coordination.

BENEFITS

1 **Opportunity**
New technical opportunities to transform waste streams into secondary-material revenue sources.

2 **Growth**
Better, faster business deals with recyclers and circular supply chain partners, with higher ROI.

3 **Stability**
Reliable waste management with reduced administrative costs through automation and traceability.



Recyclers & Processors: Use Case

From Manual Sorting to Feedstock Certainty at AI-Speed

At a glance

Better utilisation of scrap by correctly identifying high-value materials that were previously misclassified as "general waste."

Impact

Improve and enrich the product offering while reaching a large market of buyers, including leading global brands.

10X
Up to better valuation

300%
Better market access

CHALLENGES

Incoming shipments are "black boxes", while sorting is expensive and time-consuming. Mixed scrap leads to downcycling and lost revenue. Contaminants can damage machinery, cause fire, or ruin production.

SOLUTIONS

APT Platform is a universal waste valorisation software for all types of companies:

- You can assess your scrap inventory with only a smartphone photo, powered by state-of-the-art AI.
- Every incoming batch is assigned a Digital Material Passport, documenting material characteristics, history, and all technical & commercial paperwork.
- The AI flags dangerous objects (batteries, hazmat) or incompatible materials before they hit the processing line.
- All commercial and regulatory paperwork is automated.

BENEFITS

1 **Identify**
Easy and accurate material identification for all, leading to higher-value residual fractions.

2 **Efficiency**
Control over input quality, more efficient processing, and reduced operational risk.

3 **Excellence**
Sell to top-tier customers thanks to high-quality materials with compliant, traceable data.

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Recycled Product Manufacturers: Use Case

Closing the Loop with Data

At a glance

Manufacturers can "buy with confidence," knowing exactly what is in their raw material, enabling sustainable end products with perfect circularity.

Impact

We give manufacturers the certainty needed to guarantee product quality, automate ESG compliance, and scale recycled content with zero technical risk.

100%
Up to recycled content

75%
Less workload

CHALLENGES

Manufacturers seek to incorporate high-quality recycled materials into their products to meet ESG goals, but often struggle with inconsistent quality and lack of traceability in the secondary market.

SOLUTIONS

APT Platform provides a variety of tools to design any product with recycled content:

- Access to the Digital Material Passports, a ledger of all technical and commercial data, including the material's origin, composition, and processing history.
- Supply chain optimisation and automated workflows for fast and efficient procurement.
- Seamless ESG and Regulatory Compliance reporting and the ability to market "100% Traceable" green products to end consumers.

BENEFITS

1 **Circularity**
Develop high-value circular products with verified materials sourced from qualified suppliers.

2 **Reliability**
Reduced risk of production disruptions or quality variation caused by unknown feedstocks or impurities.

3 **Precision**
Easy, fast, and affordable search, procurement, and documentation of recycled materials, with precise mass balance enabled by AI.

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