# Spanish SME specializing in chemical recycling technologies that convert plastic waste into reusable resources through advanced chemical recycling technology offers its IPR through a licensing agreement and seeks for global partners

## Summary

| Profile type | Company's country | POD reference |
|---|---|---|
| **Technology offer** | **Spain** | **TOES20250218020** |
| **Profile status** | **Type of partnership** | **Targeted countries** |
| **PUBLISHED** | **Commercial agreement with technical assistance** | **• World** |
| **Contact Person** | **Term of validity** | **Last update** |
| **Noriko MITA** | **18 Feb 2025**<br>**18 Feb 2026** | **18 Feb 2025** |

## General Information

Short summary

A Catalan (Spanish) SME specializing in chemical recycling technologies that convert plastic waste into reusable resources through advanced chemical recycling technology. The company uses depolymerization to break down plastics, supporting the circular economy.
The company offers its intellectual property rights to technology through a licensing agreement and seeks global partners who can scale up and commercialize its technology under commercial agreement with technical assistance or investment

Full description

A Catalan (Spanish) engineering and technology company specializing in advanced chemical recycling solutions for plastic waste. The company aims to contribute to a sustainable circular economy by transforming non-recyclable plastic waste into valuable raw materials, reducing environmental impact and reliance on virgin fossil resources.
The company focuses on providing innovative depolymerization solutions, allowing the conversion of plastic waste into its fundamental chemical components. These components can then be reintroduced into the production cycle, enabling the creation of high-quality plastics and other industrial applications. The company primarily serves

industries such as petrochemicals.

Advantages and innovations

1. Robustness in Waste Input.
One of the most innovative features of the company technology is its ability to process highly heterogeneous plastic waste, distinguishing it from other chemical recycling solutions.
The technology can handle plastics with moisture levels exceeding 10%, a major limitation for other recycling systems that require dry and pretreated materials.
No need for extensive pre-sorting.
2. Contaminant Tolerance.
The company depolymerization technology is highly tolerant to impurities.
It can handle:
Glass and metals, Cardboard and paper, Inert materials (soil, dust, sand).
The technology allows up to 3% PET content, a material that often causes complications in other processes due to its distinct chemical properties.
3. Customizable Depolymerization Levels Based on Client Needs.
The degree of depolymerization can be controlled to achieve final products with different properties and industrial applications.
Possibility of offering tailored solutions for industries such as petrochemicals.
4. Reduction in Operational and Logistic Costs.
Increasing the conversion rate of plastic waste into valuable products, optimizing profitability.
5. Industrial Flexibility and Adaptability.
Technology applicable across various industries, from urban waste management to specialized sectors such as automotive and packaging.
6. Sustainability and Circular Economy.
Increase the recovery rate of plastics previously considered non-recyclable.
The production of secondary raw materials helps close the plastic life cycle efficiently.

Technical specification or expertise sought

1.Technology Commercialization Expertise
2. Project Development and Implementation Support
3. Market Knowledge and Industry Relationships
4.Strategic Representation and Business Management

Stage of development

**Already on the market**

Sustainable Development goals

- **Goal 13: Climate Action**
- **Goal 7: Affordable and Clean Energy**
- **Goal 11: Sustainable Cities and Communities**
- **Goal 9: Industry, Innovation and Infrastructure**

IPR Status

**No IPR applied**

IPR Notes

## Partner Sought

Expected role of the partner

The company is looking for strategic engineering partners with the capability to commercialize its innovative chemical recycling technology under a technology licensing model. The company is looking for established engineering firms with strong experience in the waste management sector, capable of offering tailored solutions to waste management companies and driving the adoption of the technology in new markets.

Type of partnership

**Commercial agreement with technical assistance**

Type and size of the partner

- **SME 50 - 249**

## Dissemination

Technology keywords

- **10003002 - Incineration and Pyrolysis**
- **10003004 - Recycling, Recovery**

Market keywords

- **08001018 - Polymer (plastics) materials**
- **08004002 - Chemical and solid material recycling**

Targeted countries

- **World**

Sector groups involved

## Media

Images

Company plant