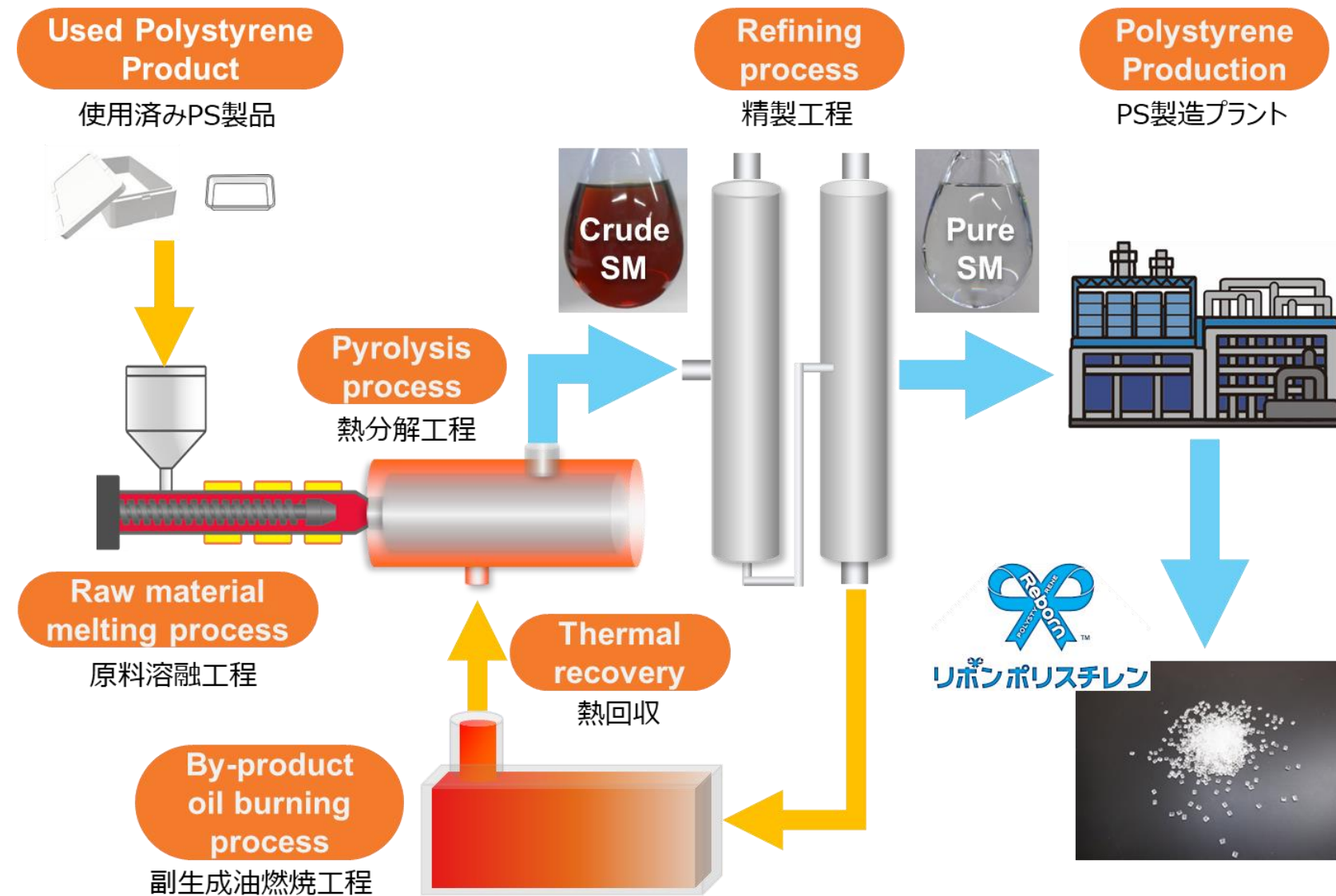


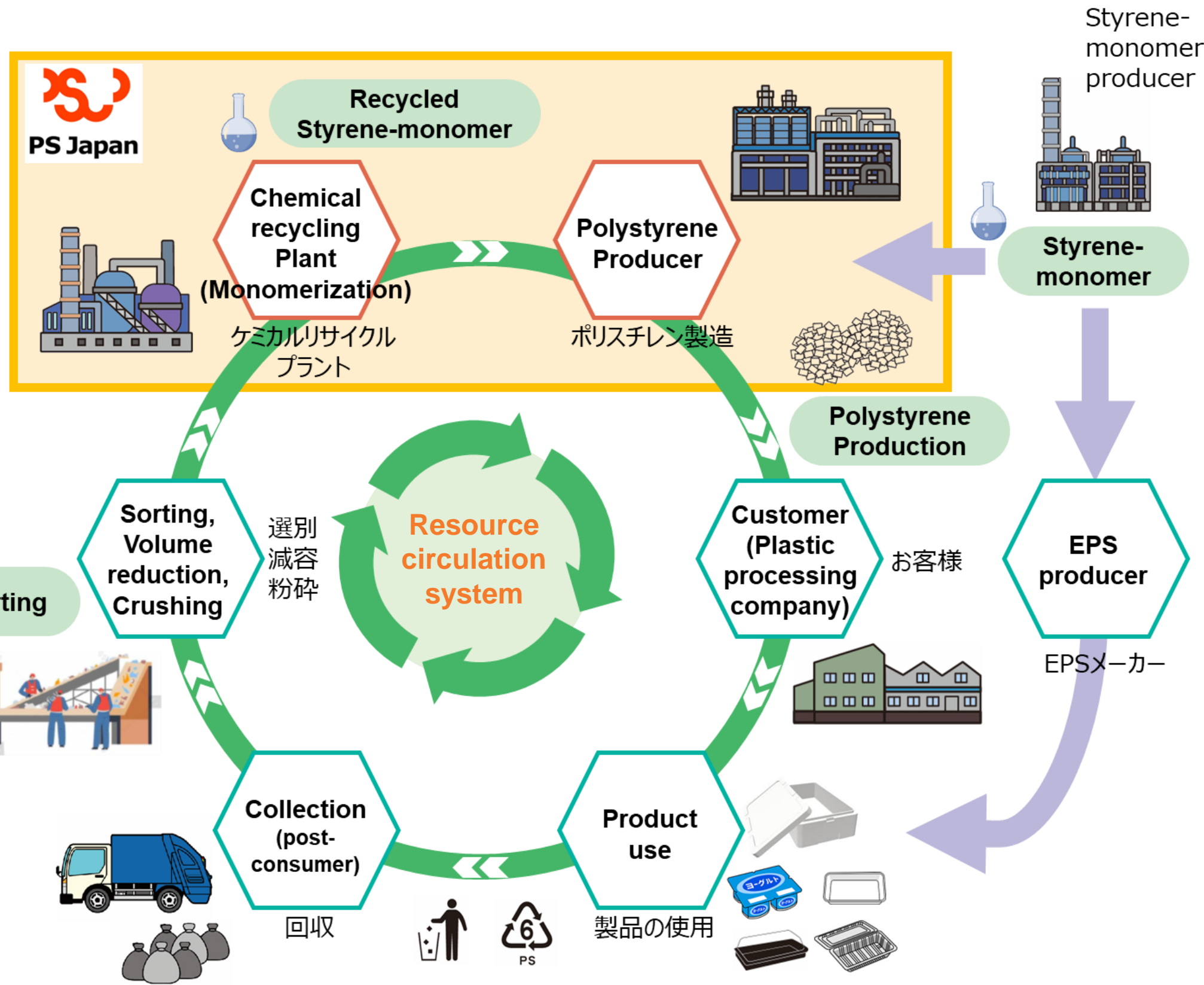
PS Japan has started a demonstration operation of “Monomerization chemical recycling” using used polystyrene

- **Operation** : Sep 2023~
- **Location** : Mizushima Plant
※Okayama Prefecture
- **Capacity** : 1,000T/Year
※As used polystyrene to be fed



- By-product oil can be used as fuel for the plant.
- Recycled styrene-monomer meets JIS and ASTM quality standards.
- It reduces CO2 by 56% compared to simple incineration.

PS Japan is accelerating the establishment of a resource circulation system for Polystyrene resin



- Using EPS and food packaging containers as raw materials, we have confirmed that more than 60wt% of styrene-monomer was recovered from the input.
- Through our demonstration operation, we are trying to verify operating conditions and identify the issue on “chemical recycling”.