

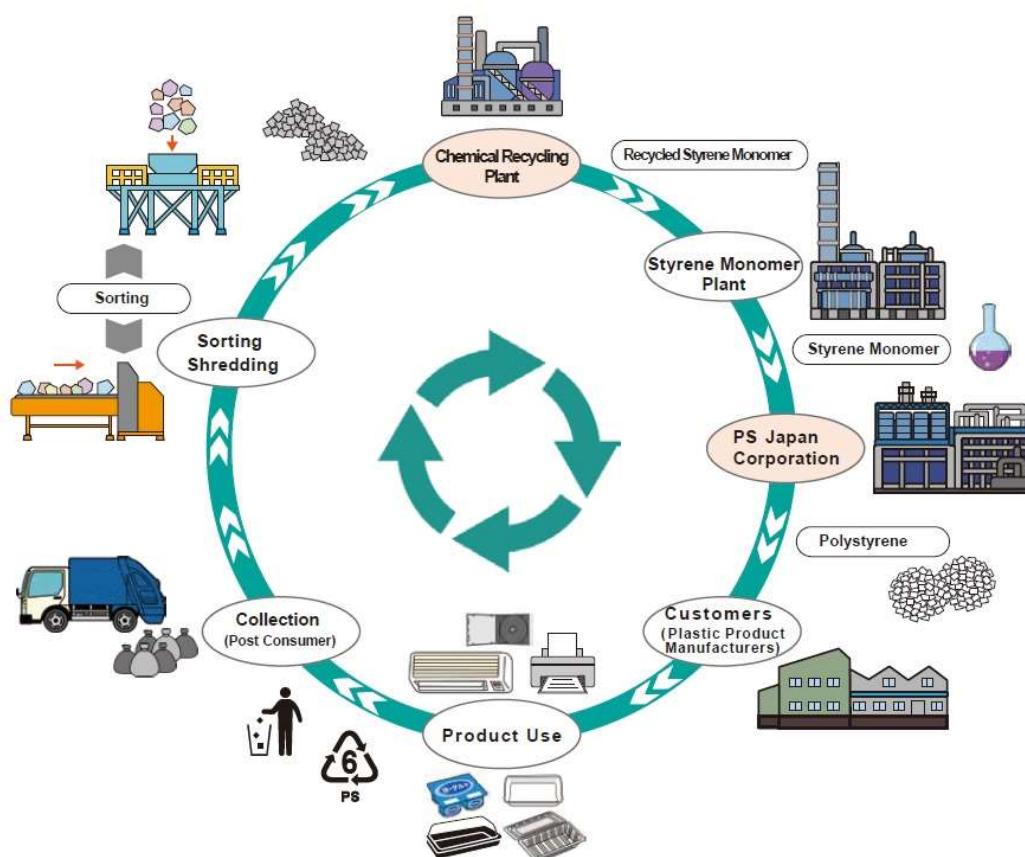
Initiation of study on construction of chemical recycling verification facility

— Aiming for sustainable circulation of styrene resources —

PS Japan Corporation (Headquarters: Bunkyo, Tokyo, Japan; President & Representative Director: Yasuhiro Murozono; hereinafter “PSJ”) has reached an agreement with Toshiba Plant Systems & Services Corporation (Headquarters: Yokohama, Kanagawa, Japan; President & Representative Director: Koichi Harazono) to initiate a study on the construction of a chemical recycling verification facility for PSJ. The two companies have signed a contract for the basic design of the facility to be constructed within the grounds of PSJ’s Mizushima Plant (Kurashiki, Okayama, Japan). Completion of the construction is expected in March 2022.

The chemical recycling verification facility will thermally decompose used polystyrene products to obtain styrene monomer. Customers of PSJ have expressed interest in cooperating with the verification, and PSJ expects to operate the facility commercially after verification is complete.

Polystyrene chemical recycling schematic



Being tasteless and odorless, polystyrene is suited to use in food containers, and it is a safe plastic that emits no hazardous gases when burned. Polystyrene also has excellent foamability that is useful for reducing the weight of containers and products, and as an insulation material it is light with high insulation properties which contributes to reducing the environmental burden. Furthermore, polystyrene can be decomposed with a small amount of energy, which makes it easy to chemically recycle.

As a polystyrene manufacturer, PSJ is mindful of the customers' perspective. While providing value, PSJ will fulfill its responsibility to future generations by earnestly and proactively dealing with environmental issues related to plastic.

By adopting a facility to return used polystyrene products to styrene monomer, PSJ will work toward achieving styrene resource circulation for sustainable manufacturing.

Profile of PS Japan Corporation

Headquarters: Bunkyo, Tokyo, Japan
President: Yasuhiro Murozono
Shareholders: Asahi Kasei Corporation 62.07%, Idemitsu Kosan Co., Ltd. 37.93%
Paid-in capital: ¥5 billion
Net sales: ¥49.0 billion

Profile of Toshiba Plant Systems & Services Corporation

Headquarters: Yokohama, Kanagawa, Japan
President: Koichi Harazono
Shareholder: Toshiba Corporation 100%
Paid-in capital: ¥11.9 billion