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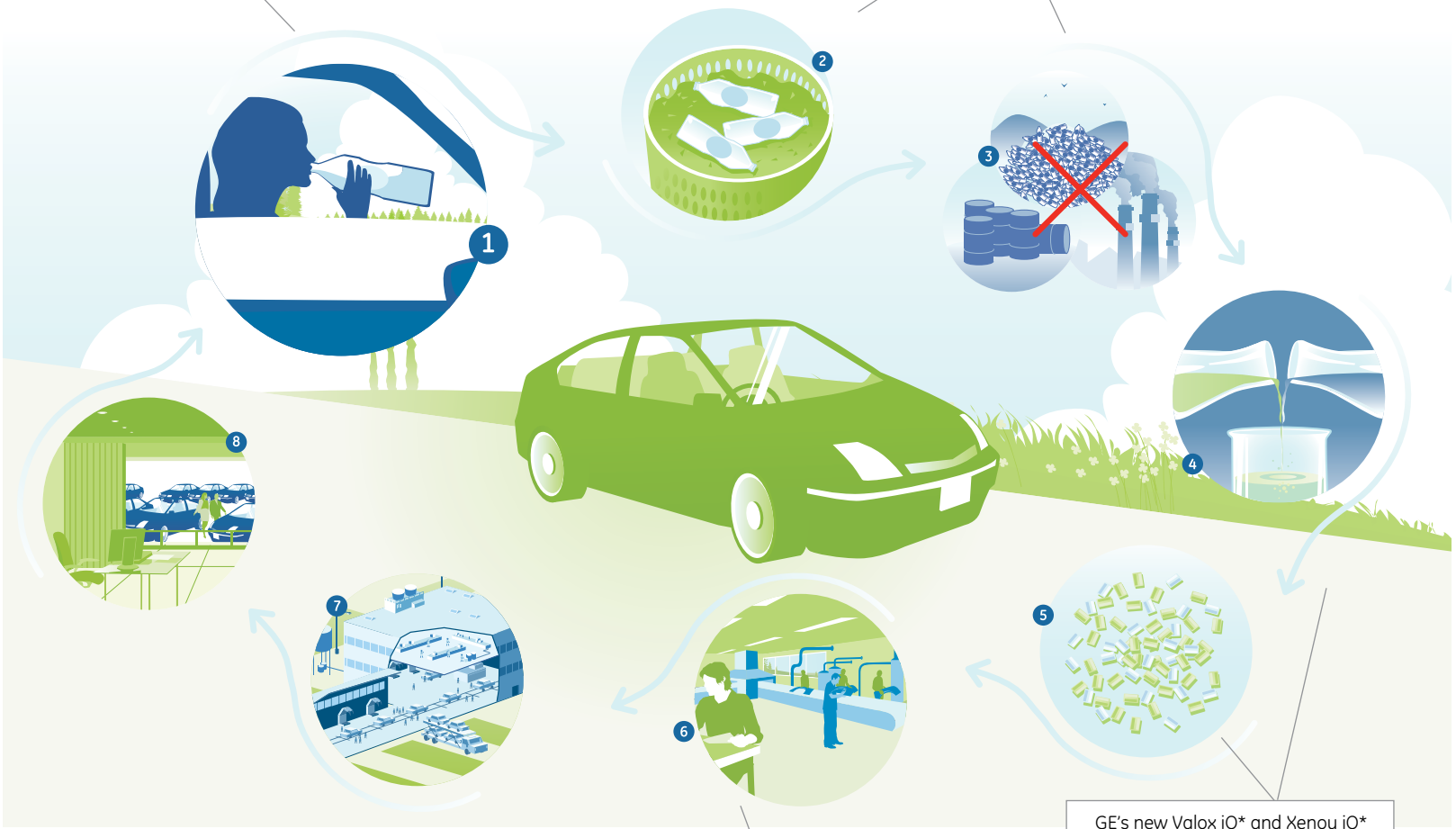
Valox iQ* and Xenoy iQ* Resins

GE's latest ecomagination plastics solution is helping the global automotive industry stand out from the crowd with energy efficient manufacturing processes that help convert traditional high performance materials to environmentally responsible technologies. These materials help eliminate solid waste and reduce energy and CO2 profile. As part of GE's new ecomagination portfolio, Valox iQ* and Xenoy iQ* resins provide significant environmental and operating benefits.

GE's Valox iQ* and Xenoy iQ* resins use unique chemistry and proprietary manufacturing process to extend and transform the life of a typical PET tea or water bottle up to 20 years.

Post-consumer PET bottles and film are sources for a unique chemical process that regenerates and upgrades synthetic solid waste.



Parts manufacturers can utilize environmentally responsible Valox iQ* and Xenoy iQ* resins as "drop in solutions" to typical engineering thermoplastics, because performance is equivalent to traditionally manufactured compositions containing PBT..

GE's new Valox iQ* and Xenoy iQ* resins are created with PBT based polymers derived from 85 percent post-consumer plastic waste. GE's patent pending products and processes extract/or use major polyester feedstock components from PET waste – and use them to create NEW engineering thermoplastics.

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Valox iQ* and Xenoy iQ* Resins

These new products catapult traditional Valox PBT and Xenoy resins into new materials providing the following performance benefits:

- Reduced vehicle weight for greater fuel efficiency
- Chemical, thermal, and impact resistance
- Enhanced design freedom
- Part consolidation

by using a new manufacturing technology that:

- Derives PBT based polymers from post-consumer waste
- Minimizes petroleum based feedstocks used
- Provides an outlet for solid waste
- Reduces the energy and carbon footprint of cars on the road today

This intelligent technology is a significant step ahead of others used by most global automakers today to respond to the macro demands for healthier environments. GE's Valox iQ* and Xenoy iQ* resins offer serenity and environmental satisfaction to consumers who can now drive their cars knowing that their PET bottles are now helping make high performance car parts that ensure improved performance and a healthier environment.

Valox iQ* and Xenoy iQ* Resin Benefits

Valox iQ* and Xenoy iQ* resins help the automotive and other industries by providing new material solutions worldwide, to help make cleaner, safer, and better performing parts including connectors, lighting bezels, body panels, energy absorbers, and other products.

For global automotive manufacturers, including industry-leading Japanese manufacturers, Xenoy iQ* and Valox iQ* offer three clear environmental advantages over other technologies: conserving energy, lowering greenhouse gas emissions, and reducing post-consumer solid waste.

Valox iQ* resin provides better life-cycle environmental performance than corn-based biopolymers like polylactic acid (PLA), or polyhydroxyalkanoate (PHA). If all of the PBT used globally was made with Valox iQ technology, it would represent an annual reduction of 5.2 Million barrels of oil, which is equivalent to the daily consumption of crude oil by Japan worth close to half a billion dollars per day.

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Additionally if all PBT was made using Valox iQ technology, it would represent an annual reduction of 1.4 million metric tons CO2 emissions. This is equivalent to carbon dioxide capture by 240 square miles of forest every year, the land area of Tokyo city.

A few good reasons why using Valox iQ* or Xenoy iQ* resin is just plain smart.

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