UpSolv SOLVING PLASTIC

Canadian cleantech that revolutionizes the world of plastic recycling by enabling a true circular economy.

Mission

Combining economic development and environmental protection.

Vision

Transforming contaminated plastic waste into premium, purified resin — fueling a thriving circular economy.

What we do

We are developing innovative technologies to recycle thermoplastics through a dissolution and purification patented process. We work with the entire value chain to establish a circular economy and give new life to thermoplastic waste, especially contaminated ones, diverting them from landfill and incineration..

PROVEN GREEN TECHNOLOGY

Safe, decontaminated recycled resins
Removes contaminants and keeps additives on demand to offer a tailored resin that meets the most stringent standards.

High purity separation process
Effective on contaminated waste - labels, food waste, industrial residues, inks, pigments, flame retardants (HBCD).

Low temperature
Low carbon footprint technology does not affect the molecular chain preserving the original properties.

Economically viable
Operation of well-known and proven equipment. Low-power, highly scalable process.

Circular economy
By recycling waste destined for landfill, our technology promotes the reuse of polystyrene, which can be recycled and integrated into the manufacturing of finished products.

OUR FIRST COMMERCIAL POLYSTYRENE RECYCLING PLANT

A green and local economic activity

Creation of 30 new direct full-time jobs and as many indirect jobs, operational in 2026, in the Anjou industrial park.

A circular economy project at local scale

A $45 million innovation project in partnership with industrial leaders to process 10,000 tons of plastic waste.

A positive environmental record

- Low carbon footprint thanks to our low temperature process.
- Process operating without industrial water.
- Allows to reduce GHGs by up to 80%.

Focus Health Safety Environment

An unwavering commitment to the highest standards in health, safety and the environment, ensuring a safe, healthy and ecosystem-friendly working environment.

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A DROP-IN SOLUTION

Our technology recycles thermoplastics. In addition to PS, HIPS and ABS, which are more mature applications (TRL 4-8), the company is expanding its activities to most polyolefin-type thermoplastics (PE, PP and PC). UpSolv's technology produces a recycled resin that meets the highest standards required by various industries such as construction, electronics, automotive, toys and food-grade packaging.

A GREEN, PROVEN TECHNOLOGY

- ✓ **High yield (95%), low rejects**
- ✓ **Safe and purified resins of unmatched quality**
- ✓ **Low temperature. Low carbon footprint.**
- ✓ **An economic solution using closed-loop solvent, off-the-shelf equipment and optimized processes**

OUR COMMERCIAL PLANT FOR PS

Our first 2026 commercial plant will recycle about 10,000 tons/y of PS waste, in Quebec, Canada. 1,000 t/y demo plant currently in operation.

Our solution is economical, energy efficient and reduces GHG by up to 90%.

Join the movement for a greener future and ask how you can partner as an investor, a supplier of PS waste or an off-taker of high-quality rPS!

UP TO 100% RECYCLED CONTENT

[Watch our Video](#)

Contact us at info@upsolv.ca

SAFE, PURIFIED, HIGH-QUALITY RESINS

We collaborate with our customers and their suppliers to recycle thermoplastics and reduce their carbon footprint by up to 90% without compromising safety or quality. Thanks to our patented technology, we regenerate contaminated plastic waste while keeping the polymer chains intact; giving them back the characteristics of virgin plastic and their full value! Our unique technology platform and process scalable for high-volume production can deliver tailored resin. Thus, our solutions adapt easily to different plastics and needs, removing contaminants and retaining additives on demand to maximize value.

AN ECONOMICAL SOLUTION TO HIGHLY CONTAMINATED THERMOPLASTICS

1. **Dissolution: shredded or densified plastics are selectively dissolved in a solvent.**
2. **Filtration: larger solid impurities are removed from the solution such as other plastics, cardboard, paper and labels**
3. **Purification and separation: the insoluble impurities (graphite, pigment, lime) are removed and then the soluble ones (HBCD, dye, odors) from the solution.**
4. **Recycled plastic recovery: the purified recycled resin is recovered and pelletized, ready to be used in the manufacture of new packaging or products. The solvent is recovered in a closed loop, purified, and reused.**