



EXECUTIVE SUMMARY

RESIN8 FOR QUEENSLAND COUNCILS

THE CHALLENGE

Queensland generates hundreds of thousands of tonnes of plastic waste each year, with very low recycling rates. Most mixed and soft plastics are landfilled, driving rising waste costs and lost value.



THE SOLUTION

RESIN8® converts hard-to-recycle plastics into construction aggregate used in roads, asphalt, pavers and concrete.

Proven at commercial scale in Victoria, with licensed operators (CRDC and Transmutation).

THE VALUE FOR COUNCILS

The value for councils

- Avoids landfill levy: \$125/tonne (SEQ metro) | \$97/tonne (regional)

Infrastructure savings

- Roads using recycled / plastic-modified materials show ~10–15% lower whole-of-life costs.

Local circular economy

- Turns council waste into local assets instead of landfill or export.

WHY ACT NOW

Landfill levies are increasing.

Infrastructure renewal backlogs are growing.

RESIN8 is operational, scalable, and ready for pilots in Queensland.

Recommended next step:

→ Pilot RESIN8 on a local road or precast project using existing council waste streams.

Councils can also engage WolfPeak through:

- A rapid standalone snapshot
- A targeted audit or diversion study
- FOGO readiness assessment
- Business case and funding support
- Innovation assessment and pilot design
- End-to-end Waste Program delivery

If you would like to discuss your council's current position, upcoming funding applications, or service redesign priorities, we would welcome a conversation.