

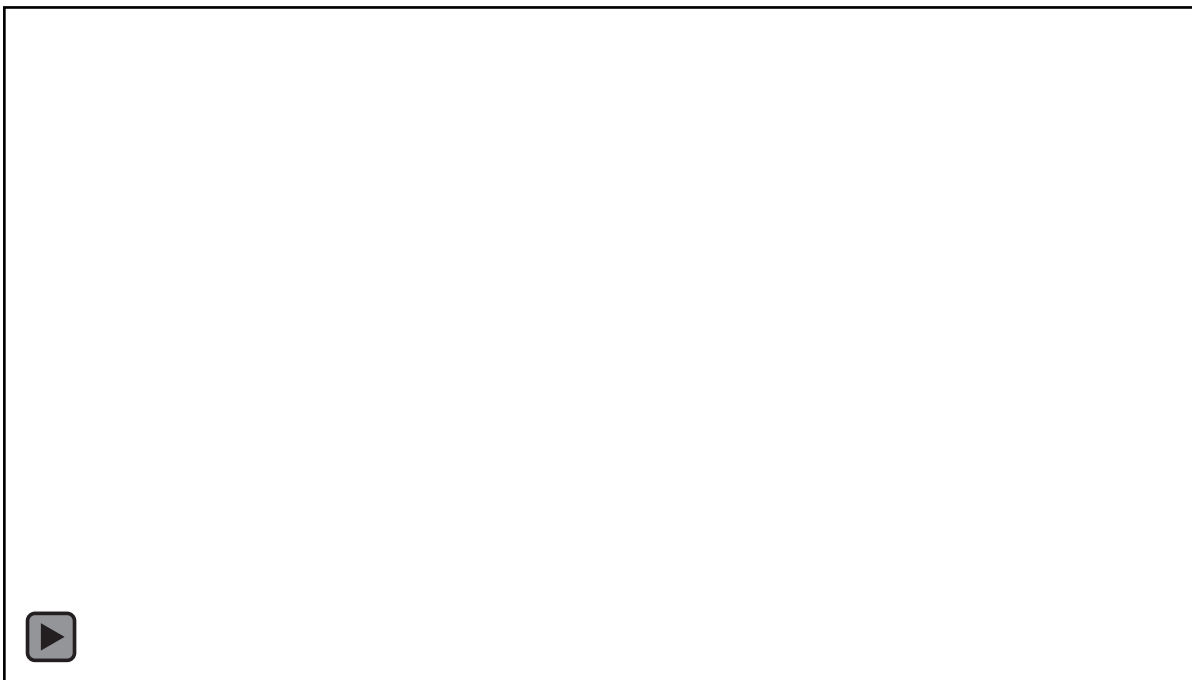


OCEAN LEGACY

Building Commercial Products Globally from
Marine Recovered Plastics

ORGANISATION PROFILE

Ocean Legacy is a social enterprise that connects marine-plastic recovery with circular manufacturing. Its multidisciplinary team spans field operations, recycling, polymer testing, policy, education, logistics and commercialization of marine recovered plastics.



ORGANISATION PROFILE

National platform: seven Ocean Plastic Depots across Canada linked to the Richmond/Steveston reclamation and recycling facility and expanding Atlantic preprocessing capacity.

- Diverting more than 2,954,545 kg of recovered plastic from landfill
- Producing more than 454,545 kg of products in 2025

Products and services: Legacy Plastic™ PP/PE/nylon feedstocks; plastic testing; marine-industry take-back; and durable products including lumber, storage bins and totes related to the poultry, fishing and pet food sectors.

R&D expertise: contaminated and mixed marine feedstocks, formulation, quality assurance, product validation and commercialization pathways.

International leadership: UNEP-accredited, registered UNESCO programs and official IMO advisor

- Experienced in cross-sector delivery.

PROPOSAL INTRODUCTION (I)

VISION

Build durable products for the automotive, marine transportation, construction and department of defense sectors across Canada and parts of Europe

WHY THIS PROJECT IS NEEDED

Discarded fishing gear and other marine plastics are dispersed, contaminated and costly to manage. Developing value-add products which utilize these materials is critical in supply chain decarbonization, PCR product integration and restoring clean healthy oceans.

TECHNICAL DEVELOPMENT PROGRAMME

- Qualify PP, PE and nylon through MFI, moisture, tensile and Izod testing; optimize formulations and processing windows.
- Develop material/carbon data and scalable commercial specifications.
- Demonstrate recycled-content products with Canadian and international manufacturers and off-takers.



PROPOSAL INTRODUCTION (II)

EXPECTED OUTCOMES

- Qualified PP, PE and nylon feedstocks, repeatable formulations and product-performance data.
- Multi-region processing and logistics validated through Canadian and EU-driven product pilots and commercial offtake pathways.
- Creation of local jobs and increased skilled employment from collection, processing and manufacturing
- Decarbonized economic development, reduction in landfill waste and navigational hazards
- Increased ocean health
- Connect manufacturers to qualified materials for construction, housing, equipment casing, ground-support products and automotive hardware.

MARKET AND SYSTEM IMPACT

- Create a dependable domestic supply of high-value recycled content for durable manufacturing.
- Reduce landfill/incineration and environmental pollution, logistics risk and reliance on virgin resin while creating skilled circular-economy jobs.
- Position consortium leaders as a global example in supply chain development and green manufacturing

PROPOSED PROJECT SCHEDULE: Q4 2027–Q3 2030 (36 months), subject to consortium and funding approvals.

PARTNERS

ESTABLISHED CANADIAN DELIVERY NETWORK

- **Ocean Legacy:** project coordination, national collection network, preprocessing, extrusion/pelletization, laboratory validation and commercialization.
- **Coastal, Indigenous and municipal partners:** collection, depot operations, staging, logistics, training and regional workforce development across BC and Atlantic Canada.
- **Applied R&D and market ecosystem:** Established manufacturing relationships across Canada and the EU, proven product success and end markets.

PARTNERS NEEDED

- **Canada:** an NRC IRAP-eligible SME to anchor funded Canadian industrial R&D and commercialization.
- **International industrial partners:** EU-based consortium partners
- **Manufacturers and off-takers:** Durable goods in the automotive, construction, vessel and defense sectors
- **Geography:** open to eligible SMART Call 10 countries, prioritizing partners with marine/fishing-gear feedstock, scale-up capability or market access.



CONTACT INFO

James Middleton

Co-Founder & Managing Director | Ocean Legacy
James@oceanlegacy.ca

Project Director—SMART Eureka partnership development

Chloe Dubois

Chloe@oceanlegacy.ca

+1 604 214 3591

61–3300 Chatham Street, Richmond, BC, Canada V7E 3K1

oceanlegacy.ca

legacyplastic.ca

PARTNERSHIP ENQUIRIES: materials R&D, recycling technology, traceability, product manufacturing, commercial offtake and international market pilots.

