

Ocean Plastic Tracking Platforms

ANMD-MRS18-178 · Environmental AI Applications

A Global Sustainability Due Diligence & Market Research Study

History 2020–2024 · Base Year 2025 · Forecast 2025–2032 · Outlooks 2035 / 2040 / 2050 · Currency US\$

WHY THIS REPORT

Ocean plastic tracking platforms detect, map and monitor marine and riverine plastic — using satellite Earth observation, drone computer-vision imaging, river interceptors and MRV systems. They turn the diffuse problem of ocean plastic into measurable, trackable data that supports cleanup, credits and brand accountability. This decision-grade study sizes the global market three ways — value, deployments and plastic tracked (tonnes) — across tracking technology, function and application, across seven regions and four scenarios to 2032, with outlooks to 2050.

SUSTAINABILITY & SDG IMPACT — THE ANMD LENS

Sustainability is this report's backbone, not an afterthought. Plastic tracking enables cleanup, credits and accountability that protect marine ecosystems, while raising MRV-integrity and attribution questions.

Mapped Sustainable Development Goals:

SDG 14 Life Below Water	SDG 12 Responsible Consumption & Production	SDG 13 Climate Action
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Measurable sustainability outcomes assessed:

- Mapped plastic hotspots and verified interception
- Credit MRV and corporate plastic-footprint reporting
- Plastic-credit integrity and greenwashing as a material risk
- Attribution, baselines and benefit-sharing assessed

Framework alignment: Double materiality mapped to GRI, SASB, ISSB, TCFD, TNFD, CSRD and the EU Taxonomy, with greenwashing and SDG-washing screens applied throughout.

WHAT'S INSIDE AT A GLANCE

53 Chapters	9 Report Parts	7 Regions Covered	40+ Country Markets
2025–32 Forecast Horizon	4 Forward Scenarios	25+ Companies Profiled	3 SDGs Mapped

REPORT COVERAGE

Geographic scope: North America, Europe, Asia Pacific, Latin America, Africa, Middle East and Rest of World — with named country intelligence. Europe leads on regulation; North America scales on brands; Asia Pacific drives interception; other regions assessed on their own merits.

- Diffuse ocean plastic turned into measurable, trackable data
- Satellite EO, drone-CV, river interceptors and MRV
- Support for cleanup, plastic credits and brand accountability
- MRV integrity, attribution and benefit-sharing as material risks

MARKET OVERVIEW

From cleanup project to plastic accountability — where credit-grade MRV turns interception into reportable, creditable outcomes.

Ocean plastic tracking is moving from cleanup projects to measurable, MRV-backed plastic accountability. Demand is driven by plastic regulation, brand commitments and plastic-credit markets across Europe, North America and Asia Pacific. The market is read three ways — value, deployments and plastic tracked — and forecast under four scenarios, each region reported separately.

- **Europe leads on regulation** — Germany, France and the Netherlands, anchored by EU plastic rules, river-interception projects and corporate plastic-reduction commitments
- **North America scales on brands** — the United States and Canada, supported by corporate plastic-footprint reporting and plastic-credit demand
- **Credit-grade MRV is the differentiator** — verifiable plastic-tracking turns cleanup into reportable, creditable, brand-accountable outcomes
- **Tracking technology segments the value** — satellite EO, drone-CV, river-interceptor and MRV designs, each with distinct economics

REGIONAL OUTLOOK

Across seven reporting regions, the report separates leading markets from high-growth and emerging ones — each profiled in full rather than aggregated into Rest of World.

Region	Stage	Lead Country Markets & Drivers
Europe	Regulation leader	Germany, France, UK, Netherlands — environmental rules, CSRD, climate funding
North America	Brand-driven	United States, Canada — regulation, funding, tech-vendor base
Asia Pacific	Interception hub	Indonesia, Philippines, Vietnam — plastic-source rivers, interception
Latin America	Emerging	Brazil — river and coastal plastic monitoring
Africa	Emerging	Kenya, Nigeria — coastal plastic, cleanup programmes
Middle East	Frontier	Saudi Arabia, UAE — environmental strategy, sovereign investment

KEY MARKET DRIVERS & RESTRAINTS

Drivers	Restraints
• Plastic regulation & bans • Brand plastic-reduction commitments • Plastic-credit & MRV markets • Satellite-EO & drone-CV advances • River-interception & cleanup scale-up	• Detection-resolution & ocean-scale limits • MRV & plastic-credit integrity scrutiny • Attribution & baseline challenges • Funding & business-model maturity • Data-coverage & verification gaps

SEGMENTATION SNAPSHOT

By Tracking Technology	Satellite EO · drone / CV imaging · river interceptors · tracking & MRV
By Function	Detection & mapping · interception · credit MRV · brand reporting
By Application	Detection & mapping · interception · credit MRV · brand reporting
By End User	NGOs · governments · brands · researchers · cleanup operators
By Business Model	Hardware sale · SaaS · data · managed service
By Scale	Pilot · deployment · enterprise / national-scale

TECHNOLOGY & APPLICATION FINDINGS

Where the category is differentiating fastest — the technology and application fronts that separate leaders from followers:

- **Detection & mapping** — satellite EO and drone-CV map plastic hotspots across oceans and rivers
- **Interception** — river interceptors with monitoring capture and quantify plastic before it reaches the sea
- **Credit & brand MRV** — tracking platforms verify recovery for plastic credits and brand reporting

TABLE OF CONTENTS — PARTS & CHAPTERS

The full report is organised into nine parts across 53 chapters, listed below. Detailed sub-headings, country tables and directories are provided in the full report.

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- › Chapter 4. Strategic Findings, Materiality and Investment Verdict Preview

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COMPETITIVE & INVESTMENT SNAPSHOT

The competitive field spans cleanup-and-interception organisations, plastic-MRV and credit platforms, and satellite and AI-imaging providers. Deal activity — interception deployments, plastic-credit partnerships and brand contracts — signals a market forming around verified plastic accountability.

Representative players profiled in the full report:

The Ocean Cleanup · The Plastic Tide · CleanHub GmbH · The SeaCleaners (Searial Cleaners) · Ellipsis Earth Ltd. · and 20+ further profiled players.

Investment intelligence: venture, infrastructure, development, climate and blended finance, green bonds and sustainability-linked loans — culminating in a bankability assessment and a conditional investment view.

KEY QUESTIONS THIS REPORT ANSWERS

- How large is the global ocean plastic tracking market, and how fast will it grow to 2032?
- Which regions, countries and segments offer the strongest risk-adjusted opportunity?
- Which technologies and methods reshape the addressable market and the cost curve?
- Who leads, and where is the competitive and patent white space?
- Is the investment case bankable — and under what conditions?
- How does the category align with the SDGs and disclosure regulation?

WHY ANMD — THE DIFFERENCE

Most market studies stop at units and revenue. This report is built as a sustainability due diligence instrument — fusing market sizing with ESG, SDG, climate and natural-capital intelligence and a decision-ready bankability view in a single architecture.

- **Triangulated sizing** — every market read three ways so value, volume and the physical-unit views reconcile rather than conflict.
- **Region-honest forecasting** — Latin America, Africa and the Middle East reported in full, never hidden inside Rest of World, every forecast resolved to the 2025 base year.
- **Integrated evidence base** — company, patent and project databases linked to the analysis, with published-filing patents and FTO treated as an indicator, not a legal conclusion.
- **No-fabrication discipline** — every estimate carries a data-confidence rating and disclosed sources; gaps are flagged for further diligence, never filled with invented numbers.
- **Anti-greenwashing rigour** — SDG-washing and greenwashing screens plus claim-substantiation checks built into the ESG and project analysis.
- **Decision-first structure** — 9 Parts and 53 Chapters culminating in stakeholder playbooks and a clear, conditional investment view.

WHO SHOULD BUY THIS REPORT

NGOs, governments, brands, researchers, cleanup operators, investors and policymakers, and strategic corporate planners and decision-makers.

Access the Full Report

The complete report delivers all 53 chapters in full, with every sub-heading, country table, company and patent directory, forecast model and due diligence checklist.

Purchase at www.anewmarketdynamics.com · Standard & Premium licences · Single-Site (SSL) and Global-Site (GSL) options at checkout.

Want the Complete Detailed Table of Contents?

This prospectus lists the nine parts and 53 chapters. The complete detailed table of contents — every sub-heading, country table, exhibit, company and patent directory and annex — is available on request to registered users. To receive it, register with your official company email at www.anewmarketdynamics.com. The full detailed table of contents will be sent directly to your registered company email address.