

Water Recycling Systems

ANMD-MRS10-095 · Water & Environmental Technologies

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

Water recycling systems close the water loop — treating municipal and industrial effluent to standards suitable for irrigation, industry and even potable reuse across municipal reuse trains, industrial recycling, potable reuse (IPR/DPR), decentralised reuse and stormwater harvesting. This decision-grade study sizes the global market three ways — value, reuse capacity (MLD) and systems — across reuse technology, reuse category 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. Water recycling reduces freshwater abstraction and discharge, building drought resilience and circularity.

Mapped Sustainable Development Goals:

SDG 6 Clean Water & Sanitation	SDG 9 Industry, Innovation & Infrastructure	SDG 11 Sustainable Cities & Communities	SDG 12 Responsible Consumption	SDG 13 Climate Action
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Measurable sustainability outcomes assessed:

- Reduced freshwater abstraction and discharge
- Drought resilience and locally controlled supply
- Multi-barrier potable-reuse assurance
- Advanced-treatment energy and concentrate management as material risks

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	5 SDGs Mapped

REPORT COVERAGE

Geographic scope: North America, Europe, Asia Pacific, Latin America, Africa, Middle East and Rest of World — with named country intelligence. The Middle East and Asia Pacific lead potable reuse; the Americas scale on drought; Europe drives industrial reuse; other regions assessed on their own merits.

MARKET OVERVIEW

From optional to essential — where multi-barrier treatment unlocks the highest-value reuse.

Water recycling is moving from optional to essential as scarcity intensifies. Demand is driven by drought, industrial water security and circular-economy mandates across the Middle East, Asia Pacific and the Americas. The market is read three ways — value, reuse capacity and systems — and forecast under four scenarios, each region reported separately.

- **Middle East and Asia Pacific lead potable reuse** — Singapore, the UAE and Australia, where advanced reuse trains supplement scarce supply
- **Americas scale on drought** — California, Texas and Chile, advancing direct and indirect potable reuse
- **Europe drives industrial reuse** — reuse regulation and CSRD-driven corporate water-stewardship programmes
- **Potable reuse is the differentiator** — multi-barrier advanced treatment unlocks the highest-value, most scrutinised reuse applications

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 Markets & Drivers
Middle East	Reuse leader	Saudi Arabia, UAE — irrigation reuse, sovereign investment
Asia Pacific	Potable-reuse pioneer	Singapore, Australia, China — potable reuse, industrial recycling
North America	Drought-led	United States — California & Texas potable reuse
Europe	Industrial reuse	Germany, Spain, Italy — industrial reuse, reuse regulation
Latin America	Emerging	Brazil, Chile — industrial & mining reuse
Africa	Frontier	South Africa, Namibia — potable reuse, scarcity response

KEY MARKET DRIVERS & RESTRAINTS

Drivers	Restraints
<ul style="list-style-type: none"> • Drought & freshwater scarcity • Industrial water security & stewardship • Circular-economy & reuse mandates • Advanced-treatment & multi-barrier gains • Discharge-reduction & cost pressure 	<ul style="list-style-type: none"> • Public acceptance of potable reuse • Advanced-treatment energy & cost • Regulatory & water-quality complexity • Concentrate & residuals management • Infrastructure & dual-pipe investment

SEGMENTATION SNAPSHOT

By Reuse Technology	Municipal reuse · industrial recycling · potable reuse (IPR / DPR) · decentralised · stormwater-harvesting
By Reuse Category	Non-potable irrigation · industrial process · indirect potable · direct potable
By Application	Municipal · industrial · commercial & residential
By End User	Utilities · municipalities · industry · buildings
By Business Model	Equipment sales · EPC · Water-as-a-Service
By Scale	Decentralised · commercial · municipal / utility-scale

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.

Part I — Report Foundation, Discovery and Strategic Intelligence

- > Chapter 1. Scope, Methodology and Report Architecture
- > Chapter 2. Industry Discovery Summary — Water Recycling Systems
- > Chapter 3. Executive Intelligence and Decision Dashboard
- > Chapter 4. Strategic Findings, Materiality and Investment Verdict Preview

Part II — Market Intelligence, Sizing, Forecasting and Segmentation

- > Chapter 5. Industry Overview and Market Evolution
- > Chapter 6. Market Dynamics
- > Chapter 7. Global Market Size and Forecast, 2020–2032
- > Chapter 8. Market Segmentation Analysis
- > Chapter 9. End-User and Demand-Side Intelligence
- > Chapter 10. Pricing, Cost and Commercial Model Intelligence

Part III — Regional and Country Intelligence

- > Chapter 11. Global Regional Intelligence Framework
- > Chapter 12. North America Market Intelligence
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- > Chapter 15. Latin America Market Intelligence
- > Chapter 16. Africa Market Intelligence
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- > Chapter 20. Emerging and Next-Generation Technology Intelligence
- > Chapter 21. Category-Specific Intelligence Module
- > Chapter 22. Research, Innovation and Funding Landscape

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- › Chapter 23. Competitive Landscape
- › Chapter 24. Company Profiles
- › Chapter 25. Mergers, Acquisitions, Partnerships and Ecosystem Intelligence
- › Chapter 26. Patent Landscape and Intellectual Property Intelligence
- › Chapter 27. Project, Deployment and Case-Study Intelligence

Part VI — Sustainability, ESG, SDG, Climate and Natural-Capital Intelligence

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Part VII — Supply Chain, Policy, Legal, Economics and Finance

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- › Chapter 44. Risk Register, RAG Rating and Anti-Greenwashing Screen
- › Chapter 45. Bottom-Line Verdict and Strategic Recommendations
- › Chapter 46. Implementation Roadmap and Stakeholder Playbooks

Part IX — Annexes, Directories and Reference Material

- › Chapter 47. Methodology Annex
- › Chapter 48. Corporate Directory and Company Intelligence Annex
- › Chapter 49. Patent Directory and Patent Intelligence Annex
- › Chapter 50. Project Intelligence Annex
- › Chapter 51. Forecast Annex
- › Chapter 52. Sustainability KPI Annex
- › Chapter 53. Reference Annexes

COMPETITIVE & INVESTMENT SNAPSHOT

The competitive field spans global water majors, advanced-treatment specialists, and industrial-reuse and minimal-liquid-discharge innovators. Deal activity — potable-reuse projects, industrial-recycling contracts and advanced-treatment ventures — signals a market consolidating around reliable, accepted reuse.

Representative players profiled in the full report:

Veolia Environnement S.A. · SUEZ SA · Xylem Inc. · Aquatech International LLC · Gradiant Corporation · and 20+ further profiled players across water majors and advanced-treatment specialists.

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 water recycling market, and how fast will it grow to 2032?
- Which regions, countries and segments offer the strongest risk-adjusted opportunity?
- How does potable reuse change value versus non-potable applications?
- 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, drought resilience and public-health assurance?

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, water 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

Investors, manufacturers, developers, utilities, lenders 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.