

TRANSFORMING JAMAICA'S RED MUD INTO GLOBAL ENVIRONMENTAL SOLUTIONS

ABS™ Product + **SMO™** Platform Technology A Game-Changing Partnership

From environmental liability to high-value assets.
From local challenge to global opportunity.

Together, we build a cleaner planet and a stronger future.



ABS™ + **SMO®**
Product Platform Technology
Advanced materials. Advanced technology.
Advanced solutions for a better world.



JAMAICA'S RESOURCE.
A National Opportunity.
A Global Impact.



GLOBAL NEED.
Water, Environment,
Sustainability.



UNIQUE SOLUTION.
ABS + SMO® Integration
Proven. Scalable. Sustainable.



ATTRACTIVE RETURNS.
Strong Economics.
Long-Term Value.

**JOIN US IN BUILDING
A CLEANER FUTURE
AND A BETTER WORLD.
TOGETHER.**



THE CHALLENGE



ENVIRONMENTAL LIABILITY

High alkalinity, heavy metals, and fine particles pose long-term environmental risks.



ECONOMIC BURDEN

Storage, monitoring, and compliance costs continue to increase.



UNTAPPED POTENTIAL

Valuable resources and functional materials remain underutilized.

A MASSIVE AND GROWING MARKET



GLOBAL RED MUD GENERATION

~150 Million Tons

per year and growing

from Bauxite/
Alumina Industry
Worldwide



WATER TREATMENT MARKET

>\$100 Billion

by 2030 (CAGR ~7%)

Driven by industrial
growth, regulation,
and water scarcity



SUSTAINABILITY IMPERATIVE

Circular economy and
resource recovery are now
global priorities.

ESG, Net Zero,
and policy incentives
accelerate adoption



STRATEGIC ADVANTAGE FOR JAMAICA

Transform a national challenge
into a global leadership opportunity
and economic value.

Jobs, innovation,
exports, and long-term
national benefit

OUR TRANSFORMATION SOLUTION



RAW RED MUD

Environmental liability



SMO® PRETREATMENT

Washing, dealkalization,
impurity removal, particle activation



CALCINATION & ACTIVATION

Energy-efficient calcination
and surface activation



ABS™ PRODUCTION

High-performance ABS
Water Treatment Catalyst



GLOBAL SOLUTIONS

Clean water, resource recovery,
and sustainable impact



We turn a legacy waste into high-value solutions for water, industry, and the planet. **Together, we create value. Together, we lead the future.**

OUR PARTNERSHIP: GRON + ORP

Two Innovative Leaders. One Powerful Mission.

Combining resources, technology, and expertise to create unmatched value.

GRON METALLIC GROUP



Resource Development Expertise

- Experience in mining, metallurgy, and industrial project development



ABS Manufacturing Leadership

- Developing high-performance ABS from Jamaica's Red Mud



Global Business Network

- Strong relationships with investors, off-takers, and strategic partners



Execution & Investment Capability

- Project execution, operational management, and capital mobilization



ORP INNOVATION



Proprietary SMO® Technology

- Advanced nanocavitation platform for water treatment and process enhancement



Water Treatment Expertise

- Decades of experience in solving complex water and wastewater challenges



Process Engineering & Integration

- End-to-end engineering, system design, and optimization capabilities



Sustainability Innovation

- Enabling circular economy through resource recovery and regeneration

INTEGRATED SOLUTIONS: GREATER VALUE, BROADER IMPACT



ENHANCED RED MUD PRETREATMENT

SMO technology improves washing, impurity removal, and resource recovery.



SUPERIOR ABS PRODUCTS

Increased performance, surface area, and adsorption capacity.



ADVANCED WATER TREATMENT SOLUTIONS

ABS + SMO synergy delivers high-efficiency removal of contaminants.



REGENERATION & CIRCULAR ECONOMY

SMO enables ABS regeneration and resource recovery for sustainable operations.



GLOBAL MARKET EXPANSION

Scalable solutions for mining, industrial, municipal, and data center markets.



SUSTAINABLE PROFITABILITY

Lower cost, higher efficiency, strong ROI and long-term value creation.



ONE VISION. ONE PLATFORM. INFINITE POSSIBILITIES.
Transforming Jamaica's Red Mud into Global Environmental Solutions.



Hydrodynamic Cavitation. Multi-Radical Power. Real-World Results.

SMO® is the core technology that unlocks the full potential of ABS and transforms water treatment, and patented Multi-cross Shockwave Nanocavitation Reactor.

WHAT IS SMO®?

SMO® (Shockwave Multi-cross cavitation and Oxidation) is a proprietary nanocavitation reactor that generates countless nanobubbles and multi-radicals for powerful physical, chemical, and biological effects.



Nanobubbles
~300 Million
bubbles/mL



Average Bubble
Diameter
~140 nm



Dissolved Oxygen
Saturation
Up to 99%



Extreme Conditions
in Collapse
~5,000°C
~2,000 atm



Multi-Radicals
Generated
• OH • O₃
• H• • 'O₂
• Others

HOW SMO® WORKS



1. Cavitation Generation

SMO® creates nanobubbles in the liquid.



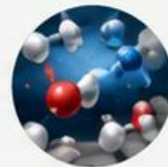
2. Bubble Collapse

Violent collapse produces extreme temperature and pressure.



3. Multi-Radical Formation

Powerful radicals are instantaneously generated.



4. Oxidation & Disintegration

Contaminants are oxidized, destroyed, and disintegrated.



5. Clean Water & Resource Recovery

Clean, safe water and valuable resources are recovered.

PROVEN PERFORMANCE



COD
Removal

80~99%



Heavy Metals
Removal

90~99%



Odor (H₂S)
Removal

>99%



Biofilm
Control

>99%



Sludge
Volume
Reduction

20~50%

WIDE RANGE OF APPLICATIONS

Mining & Refinery
Wastewater



Industrial
Wastewater



Municipal
Wastewater



Livestock & Agri
Wastewater



AI Data Center
Cooling Water



Drinking Water
& Desalination



Resource Recovery
& Reuse



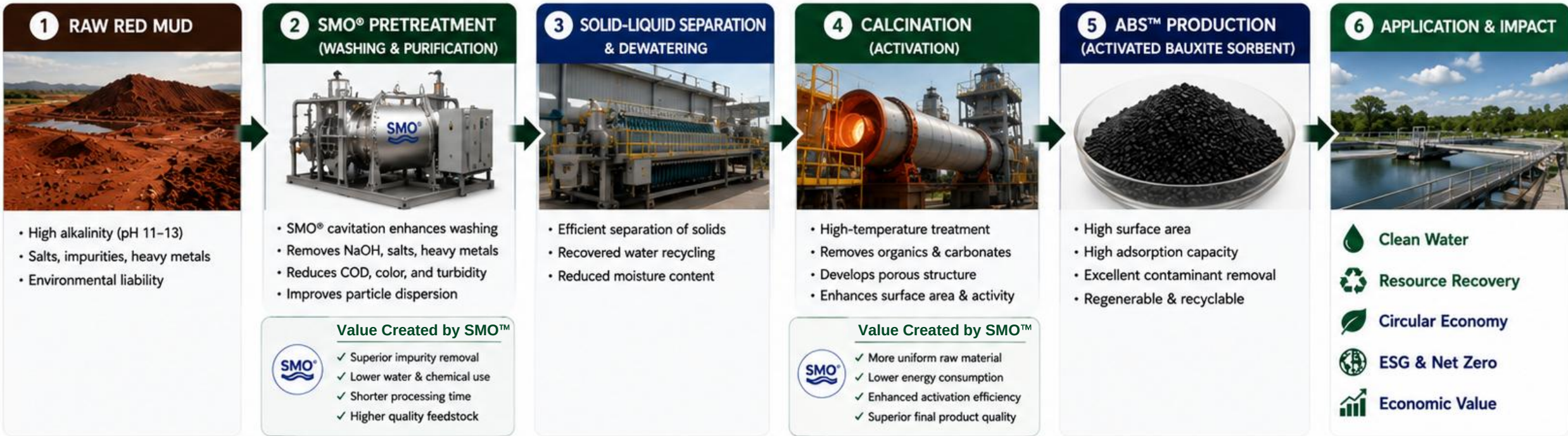
**SMO® MULTIPLIES THE POWER
OF ABS AND CREATES
UNMATCHED VALUE.**

**Stronger. Cleaner. Smarter.
Built for a Sustainable Future.**

OUR SOLUTION: RED MUD TO ABS™

Transforming a Legacy Waste into a High-Value Water Treatment Catalyst

SMO® technology is integrated at key stages to maximize purification, activation, and performance.



THE ORP + SMO® ADVANTAGE



Up to
99%
Impurity
Removal



Up to
30%
Lower Energy
Consumption



Up to
50%
Water Savings



Superior
ABS™
Performance

WHY IT MATTERS



**Environmental
Solution**
Eliminates a major
environmental liability
and reduces pollution.



**Economic
Opportunity**
Converts low-value
waste into high-value
products and jobs.



Global Impact
Provides scalable
solutions for water
challenges worldwide.



**Sustainable
Future**
Supports Net Zero goals
and builds a circular,
resilient economy.



From Waste to Value. From Liability to Leadership. From Local Resource to Global Solution.

THIS IS THE POWER OF ABS™ + SMO®.

06 WIDE RANGE OF APPLICATIONS

SMO® + ABS™ – Powerful Solutions for a Cleaner, Smarter, and More Sustainable World

From mining to data centers, from industry to communities – delivering real results across diverse sectors.

1 MINING & REFINERY WASTEWATER



- Removes heavy metals
- Reduces acidity & turbidity
- Enables water recycling
- Supports regulatory compliance

2 INDUSTRIAL WASTEWATER



- Organic & color removal
- COD, TSS, oil & grease reduction
- Lower chemical consumption
- Improved discharge quality

3 MUNICIPAL WASTEWATER



- Sludge volume reduction
- Odor (H₂S) control
- Enhanced biodegradability
- Lower OPEX & carbon footprint

4 LIVESTOCK & AGRI WASTEWATER



- Ammonia, P, and odor removal
- Pathogen reduction
- Water reuse for farm operations
- Healthier environment

5 AI DATA CENTER COOLING WATER



- Biofilm & scale control
- Higher ΔT & heat transfer
- Lower water & energy use
- Stable, reliable operation

DELIVERING MEASURABLE BENEFITS



SUPERIOR PERFORMANCE

Up to 99% removal of contaminants and odors.



LOWER COST

Up to 30% lower energy use and chemical consumption.



WATER CONSERVATION

Up to 50% reduction in water usage and withdrawal.



RESOURCE RECOVERY

Enables regeneration of ABS and recovery of valuable resources.



SUSTAINABLE IMPACT

Supports Net Zero goals, ESG initiatives, and circular economy.



STRONG ECONOMICS

High ROI, rapid payback, and long-term value creation.

6 DRINKING WATER TREATMENT



- Removal of heavy metals, PFAS, and emerging contaminants
- Improved taste, odor, and clarity
- Safer, healthier communities

7 INDUSTRIAL PROCESS WATER REUSE



- High-quality water for reuse
- Reduced blowdown & discharge
- Consistent process performance
- Lower operational cost

8 RESOURCE RECOVERY & CRITICAL MINERALS



- Supports rare earth recovery
- Improves leaching efficiency
- Reduces reagent use
- Maximizes resource value

9 RED MUD POND REHABILITATION



- Alkalinity & salt reduction
- Stabilizes and dewater ponds
- Enables material recovery
- Restores land & environment

10 ABS REGENERATION & CIRCULAR SYSTEMS



- SMO® regenerates spent ABS
- Restores adsorption capacity
- Extends media life
- Enables circular operations



ONE PLATFORM. COUNTLESS SOLUTIONS. UNLIMITED POSSIBILITIES.

SMO® + ABS™ – Unlocking the full potential of water, resources, and a sustainable future.



SMO™ + ABS™ FOR AI DATA CENTERS.

Intelligent Cooling. Sustainable Performance. Maximum Value.



Advanced water treatment solutions purpose-built for the demands of AI infrastructure.

AI DATA CENTERS: COOLING CHALLENGES



HIGH HEAT DENSITY

Rising rack densities require efficient heat removal.



BIOFILM & FOULING

Biofilm reduces heat transfer and increases energy use.



WATER SCARCITY & COST

Water availability and cost are critical concerns.



CHEMICAL DEPENDENCY

High chemical use creates OPEX, wastewater, and ESG challenges.



RELIABILITY & UPTIME

Cooling system reliability is mission-critical for AI operations.

OUR SOLUTION: SMO™ + ABS™ INTEGRATION



Cleaner systems. Higher performance. Lower costs. Greater sustainability.

KEY BENEFITS FOR AI DATA CENTERS



BIOFILM CONTROL
SMO™ eliminates biofilm and inhibits regrowth. Cleaner systems, longer equipment life.



HIGH DELTA T
Improved heat transfer enables higher Delta T and lower energy consumption.



LOWER WATER USE
Up to 30–50% reduction in water use through efficient operation and blowdown control.



LOWER CHEMICALS
Reduce chemical usage by up to 50%. Lower OPEX and environmental impact.



ESG EXCELLENCE
Lower water footprint, fewer chemicals, lower emissions, strong ESG alignment.



HIGH ROI
IRR 25–40%+
Payback 1.5–3 years
Stronger economics, lower total cost.

TYPICAL PERFORMANCE RESULTS*



90%+

Biofilm Reduction



10–20°F

Higher Delta T



30–50%

Lower Water Use



30–50%

Lower Chemical Use



5–15%

Energy Savings



25–40%+

IRR Potential

* Representative results based on pilot and industrial applications. Actual performance depends on site conditions and system design.

VALUE PROPOSITION

- ✓ Optimized cooling performance for AI workloads
- ✓ Lower operating costs and total cost of ownership
- ✓ Improved reliability and uptime assurance
- ✓ Future-ready, sustainable infrastructure solution

STRONGER TOGETHER



Advanced Materials.
Global Resources.



Proprietary Technology.
Water Solutions.

Delivering **unmatched value** for AI data centers and the digital future.



SMO™ + ABS™ delivers measurable performance to support the **next generation of AI**.

POWERING AI. PRESERVING OUR PLANET. **TOGETHER.**



Cleaner Water



Stronger Performance



Lower Costs



Better Future

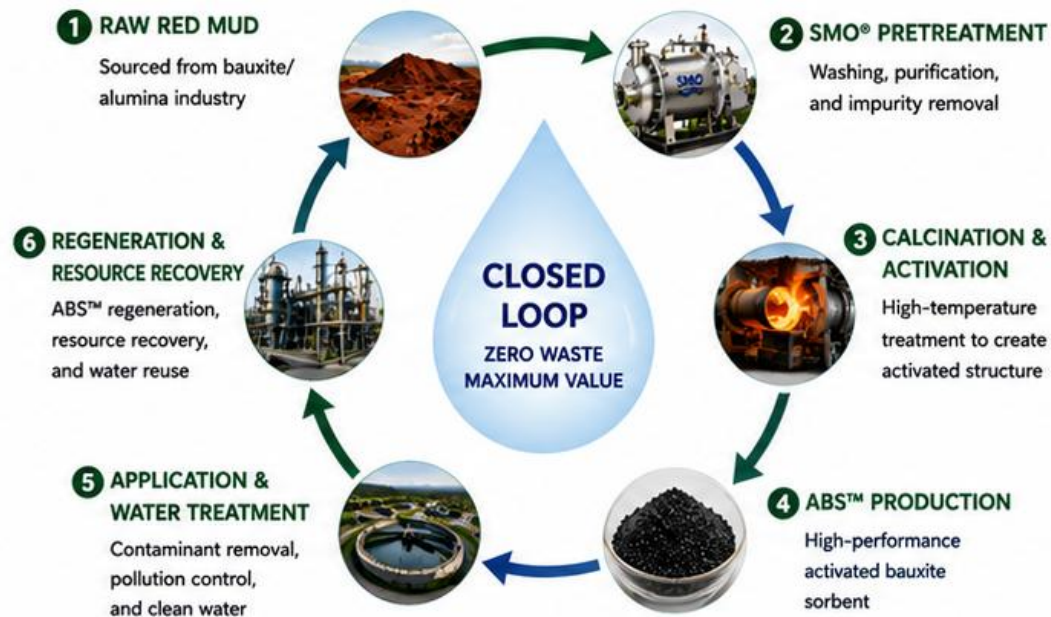
Closing the Loop. Maximizing Value. Protecting Our Planet.

SMO® + ABS™ enable a closed-loop system that recovers resources, reduces waste, and creates long-term value.

KEY BENEFITS OF THE CLOSED-LOOP SYSTEM

-  **WASTE TRANSFORMED INTO VALUE**
Converts red mud from a liability into high-value ABS™ products.
-  **RESOURCE RECOVERY**
Recovers water, minerals, and other valuable resources for reuse.
-  **COST REDUCTION**
Lower raw material, disposal, water, and energy costs.
-  **SUSTAINABILITY LEADERSHIP**
Supports Net Zero goals, ESG performance, and regulatory compliance.
-  **LONG-TERM VALUE CREATION**
Builds a resilient, scalable, and profitable business model.

THE SMO® + ABS™ CLOSED-LOOP SYSTEM



ECONOMIC & ENVIRONMENTAL IMPACT

-  **WATER RECOVERY**
Up to **50%**
water reuse potential
-  **WASTE REDUCTION**
Up to **90%**
solid waste reduction
-  **ENERGY SAVINGS**
Up to **30%**
energy savings
-  **OPERATING COST REDUCTION**
Up to **30%**
lower OPEX
-  **CARBON FOOTPRINT REDUCTION**
Up to **40%**
lower CO₂ emissions
-  **RESOURCE RECOVERY VALUE**
High-value byproducts
and mineral recovery **New Revenue Streams**

SUSTAINABLE SOLUTIONS. MEASURABLE RESULTS. LASTING IMPACT.

CLEAN WATER



Safe water for communities and industries.

INDUSTRIAL SUSTAINABILITY



Compliance, efficiency, and responsible operations.

ENVIRONMENTAL RESTORATION



Rehabilitating land, water, and ecosystems.

ECONOMIC GROWTH



Jobs, innovation, and strong ROI.

GLOBAL IMPACT



Scalable solutions for a better world.

FROM JAMAICA TO THE WORLD

A model for circular economy innovation and global leadership.



WE DON'T JUST TREAT WASTE. WE TRANSFORM IT. WE RECOVER VALUE. WE BUILD A SUSTAINABLE FUTURE.

With SMO® and ABS™, Gron Metallic Group and ORP Innovation are leading the way to a cleaner, more resourceful, and more prosperous tomorrow.

MASSIVE MARKET OPPORTUNITY

Strong Growth Drivers. Expanding Markets. Significant Value Creation.

SMO® + ABS™ address critical global needs in high-growth markets with multi-billion dollar potential.

GLOBAL MARKET SIZE & GROWTH

MARKET SEGMENT	MARKET SIZE (2024)	CAGR (2024–2030)	2030 OPPORTUNITY
 Mining Wastewater Treatment	\$10.4 Billion	7.5%	\$16.7 Billion
 Industrial Wastewater Treatment	\$31.0 Billion	6.2%	\$44.0 Billion
 Municipal Wastewater Treatment	\$69.6 Billion	5.0%	\$93.0 Billion
 AI Data Center Cooling Water Solutions	\$5.0 Billion	18.5%	\$15.6 Billion
 Resource Recovery & Circular Economy	\$8.6 Billion	12.8%	\$18.6 Billion
TOTAL ADDRESSABLE MARKET	\$124.6 Billion	6.8%	\$187.9 Billion

KEY GROWTH DRIVERS



Regulatory Pressure
Stricter water discharge and environmental regulations driving demand for advanced solutions.



Water Scarcity
Increasing global water stress and the need for water reuse and resource recovery.



Industrial & Data Growth
Expansion of industries and AI data centers increasing water and energy demands.



Sustainability & ESG
Growing commitment to ESG and Net Zero driving investment in sustainable technologies.



Circular Economy
Shift from linear to circular models to recover resources and reduce waste.

GLOBAL REACH. SCALABLE IMPACT.

NORTH AMERICA
Strong industrial base, mining activities, and AI infrastructure growth.

EUROPE
Strict environmental regulations and sustainability leadership.

LATIN AMERICA
Rich in natural resources and mining investment potential.

AFRICA
Mining expansion and critical need for clean water solutions.

ASIA PACIFIC
Rapid industrialization, urbanization, and data center expansion.



GLOBAL DEMAND
for clean water and resource recovery continues to accelerate.



SMO® + ABS™ are uniquely positioned to capture this growth.

OUR COMPETITIVE VALUE PROPOSITION



PROVEN TECHNOLOGY

SMO® delivers superior performance with measurable results.



LOWER COSTS HIGHER VALUE

Reduces OPEX, chemical use, energy, and sludge disposal costs.



RESOURCE RECOVERY

Transforms waste into valuable resources and by-products.



SUSTAINABLE & ESG ALIGNED

Supports Net Zero goals and creates positive environmental impact.



SCALABLE & REPEATABLE

Modular solutions for easy integration and global scalability.

FINANCIAL UPSIDE FOR INVESTORS



HIGH GROWTH MARKETS

6.8%
CAGR through 2030



LARGE ADDRESSABLE MARKET

\$187.9B
by 2030



ATTRACTIVE ROI POTENTIAL

30%+
Target IRR



STRONG CASH GENERATION

High margin recurring revenues



STRATEGIC PARTNERSHIP

ORP + Gron = Unmatched Synergy

* Representative engineering estimate. Actual performance depends on application, feed characteristics, plant size and operating conditions.



A CLEAR OPPORTUNITY. A PROVEN SOLUTION. A SUSTAINABLE FUTURE.

Partner with ORP Innovation and Gron Metallic Group to build value, generate impact, and shape the future.

PROVEN TECHNOLOGY. STRONG ECONOMICS. ATTRACTIVE INVESTMENT.

Delivering Superior Performance and Compelling Returns.

SMO® + ABS™ generate measurable value across multiple dimensions.

MULTIPLE VALUE DRIVERS

-  **WATER & RESOURCE SAVINGS**
Up to 50% reduction in water use and increased resource recovery.
-  **OPERATING COST REDUCTION**
Up to 30% lower energy use and chemical consumption.
-  **CAPEX OPTIMIZATION**
Smaller footprint, simplified systems, lower infrastructure costs.
-  **ENVIRONMENTAL BENEFITS**
Up to 90% waste reduction and lower carbon footprint.
-  **NEW REVENUE STREAMS**
Resource recovery and by-products create new income opportunities.

SIGNIFICANT ECONOMIC IMPACT



 **TYPICAL PAYBACK PERIOD**
1.5 ~ 3.0 YEARS
Depending on application and scale

 **STRONG ROI POTENTIAL**
IRR 25% – 40%+
Attractive returns for investors

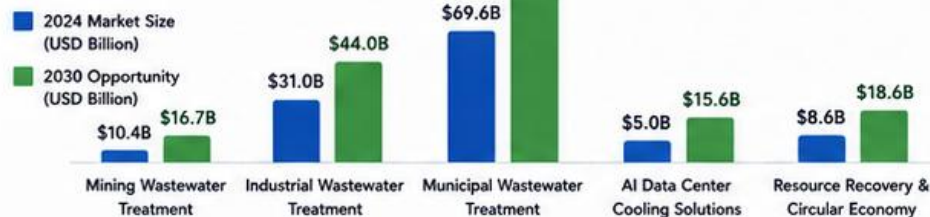
* Representative engineering estimate. Actual performance depends on application, feed characteristics, plant size and operating conditions.

INVESTMENT HIGHLIGHTS

-  **PROVEN TECHNOLOGY**
Patented SMO® technology with demonstrated performance in multiple industries.
-  **SCALABLE & REPEATABLE**
Modular solutions that can be rapidly deployed and scaled globally.
-  **LARGE & GROWING MARKETS**
Addressing multi-billion dollar markets with strong growth outlook.
-  **EXPERIENCED TEAM**
Proven track record of innovation, execution, and successful commercialization.
-  **STRATEGIC PARTNERSHIP**
ORP Innovation + Gron Metallic Group = Unmatched synergy and global reach.

HIGH-GROWTH MARKETS WITH STRONG OUTLOOK

ADDRESSABLE MARKET GROWTH (2024 – 2030)



 **TOTAL ADDRESSABLE MARKET**
\$187.9B
by 2030
CAGR 6.8%
(2024–2030)

WHY INVEST IN SMO® + ABS™?

-  **SOLVES CRITICAL GLOBAL CHALLENGES**
Water scarcity, pollution, waste, and climate change.
-  **UNIQUE & DIFFERENTIATED TECHNOLOGY**
Patented, proven, and continuously improving performance.
-  **STRONG VALUE PROPOSITION**
Delivers measurable benefits for customers, society, and the planet.
-  **LONG-TERM SUSTAINABLE GROWTH**
Built for a future of resource efficiency and circular economy.
-  **ATTRACTIVE FINANCIAL RETURNS**
High ROI potential with low risk and strong cash flow.



SMARTER TECHNOLOGY. CLEANER WORLD.
STRONGER RETURNS.

Join us in building a sustainable future
with SMO® + ABS™.

INVEST TODAY.
SHAPE TOMORROW.

STRATEGIC PARTNERSHIP. GLOBAL IMPACT. BUILDING A SUSTAINABLE FUTURE TOGETHER.

SMO® + ABS™ – A game-changing platform for water, resources, and a better world.



NEXT STEPS & ROADMAP



1. PARTNERSHIP AGREEMENT

Finalize strategic partnership and commercial terms.
Q2 2025



2. PILOT PROJECTS

Deploy pilot projects in priority applications and validate performance.
Q2 – Q3 2025



3. COMMERCIAL DEPLOYMENT

Scale up production and deployment in target markets worldwide.
Q3 2025 – Q1 2026



4. GLOBAL EXPANSION

Expand into new regions and industries. Build a global leadership position.
2026 and Beyond



TOGETHER, WE CAN CREATE LASTING VALUE AND A CLEANER, MORE PROSPEROUS PLANET.

OUR PARTNERSHIP. YOUR ADVANTAGE.



COMPLEMENTARY STRENGTHS

ORP's advanced SMO® technology + Grön's global resources and industry expertise.



MARKET LEADERSHIP

A unique, proven solution portfolio addressing critical global challenges.



SCALABLE SOLUTIONS

Modular and adaptable technologies for diverse applications and markets.



SUSTAINABLE IMPACT

Driving circular economy, resource recovery, and Net Zero goals.



STRONG RETURNS

High growth potential, attractive margins, and long-term value creation.

TRANSFORMING WASTE. CREATING VALUE. PROTECTING OUR PLANET.



From Red Mud to Advanced Water Solutions.

A partnership that drives innovation, sustainability, and global impact.



A POWERFUL COMBINATION



PROVEN TECHNOLOGY
Patented. Tested. Field-Proven.



GLOBAL OPPORTUNITY
Multi-billion dollar addressable markets.



SUSTAINABLE FUTURE
Enabling a circular, low-carbon economy.



STRONG PARTNERSHIP
ORP + Grön = Unmatched Synergy.

KEY TARGET MARKETS



Mining & Metals



Industrial Water



Municipal Water



AI Data Center Cooling



Resource Recovery



Agriculture & Livestock

EXPERIENCED LEADERSHIP TEAM



ORP INNOVATION

Pioneer of SMO® Technology



Jacob B. Lee

Founder & CEO

- Inventor of SMO® Power Reactor
- 30+ years in environmental technology innovation
- Global patent portfolio



GRÖN METALLIC GROUP

Global Resources & Solutions



Scott Berggren

CEO

- Mining, metals & industrial solutions expert
- Extensive global network and project experience

LET'S BUILD A CLEANER, SMARTER, AND MORE SUSTAINABLE WORLD – **TOGETHER.**



PROVEN SOLUTIONS.



GLOBAL IMPACT.



LASTING VALUE.



A WINNING PARTNERSHIP. UNMATCHED SYNERGY.



Two Industry Leaders. One Powerful Mission.

Uniting complementary strengths to deliver innovative solutions, create superior value, and drive global sustainability.

STRATEGIC PARTNERSHIP SYNERGY



GLOBAL RESOURCES & NETWORK

Extensive access to resources, markets, and strategic partners.



INDUSTRY EXPERTISE

Deep experience in metals, mining, and industrial solutions.



CAPITAL & PROJECT DEVELOPMENT

Strong financial capability and proven project execution.



PROPRIETARY TECHNOLOGY

Patented SMO® + ABS™ advanced treatment and resource recovery.



INNOVATION LEADERSHIP

30+ years of R&D and real-world application expertise.



SUSTAINABILITY FOCUS

Technology that drives circular economy and Net Zero goals.



STRONGER TOGETHER

WHY OUR PARTNERSHIP WINS



UNIQUE & COMPLEMENTARY

Combining cutting-edge SMO® + ABS™ technology with global resources and industry expertise.



SCALABLE & REPEATABLE

Proven solutions that can be rapidly deployed across multiple industries and regions.



HIGH VALUE CREATION

Delivering measurable economic, environmental, and social value for all stakeholders.



STRONG GO-TO-MARKET

Expansive network, local presence, and customer-centric approach.



SUSTAINABLE FUTURE

Driving innovation and sustainability for a better planet and future generations.

OUR JOINT SOLUTION PORTFOLIO – ADDRESSING GLOBAL CHALLENGES

MINING & METALS



Water treatment, resource recovery, and environmental compliance.

INDUSTRIAL WATER



High-performance wastewater treatment and reuse solutions.

MUNICIPAL WATER



Clean water, sludge reduction, and odor control.

AI DATA CENTER COOLING



High Delta T, biofilm control, and optimized water efficiency.

RESOURCE RECOVERY



Recovery of minerals, water, and by-products.

AGRICULTURE & LIVESTOCK



Odor control, water reuse, and productivity improvement.

JOINT GO-TO-MARKET STRATEGY



1. MARKET IDENTIFICATION

Target high-growth markets with strong demand and strategic fit.



2. CUSTOMER ENGAGEMENT

Joint marketing, technical engagement, and solution customization.



3. SOLUTION DEPLOYMENT

Pilot projects, validation, and scalable implementation.



4. SCALE & EXPAND

Replicate success, expand geographically and into new sectors.



5. LONG-TERM PARTNERSHIP

Build lasting relationships and create sustainable shared value.

EXPECTED OUTCOMES



SUPERIOR PERFORMANCE

Industry-leading solution outcomes.



STRONG FINANCIAL RETURNS

Attractive margins and long-term value creation.



ENVIRONMENTAL IMPACT

Significant reduction in waste, emissions, and resource use.



GLOBAL LEADERSHIP

Setting new standards for sustainability and innovation.



BETTER FUTURE TOGETHER

Creating a cleaner, smarter, and more sustainable world.



TOGETHER, WE TURN CHALLENGES INTO SOLUTIONS.
SOLUTIONS INTO OPPORTUNITIES. OPPORTUNITIES INTO A BETTER FUTURE.

GRÖN + ORP
Stronger Together.
Greater Impact.

STRONG FINANCIAL RETURNS. ATTRACTIVE INVESTMENT.

Built for Growth. Designed for Value.

SMO® + ABS™ deliver measurable financial performance and long-term value creation.

INVESTMENT HIGHLIGHTS

- HIGH GROWTH MARKETS**
Addressing multi-billion dollar markets with strong and growing demand.
- PROVEN VALUE CREATION**
Delivering up to 50% water savings, 30% energy savings, and 40% lower CO₂ emissions.
- STRONG FINANCIAL PERFORMANCE**
Attractive ROI potential with short payback period.
- STRATEGIC PARTNERSHIP**
ORP Innovation + Grön Metallic Group = Unmatched synergy and global reach.
- SUSTAINABLE & ESG ALIGNED**
Driving circular economy, resource recovery, and Net Zero goals.

FINANCIAL PERFORMANCE OVERVIEW (TYPICAL PROJECT)

 WATER SAVINGS 50% Reduction in water use and water cost	 ENERGY SAVINGS 30% Reduction in energy consumption	 OPEX REDUCTION 30%+ Lower operating cost and chemical use	 CO₂ REDUCTION 40% Lower carbon emissions and footprint	 PAYBACK PERIOD 1.5 ~ 3 Years Depending on application and scale
---	--	---	---	---

ATTRACTIVE ROI POTENTIAL
IRR 25% – 40%+
High return potential for investors

STRONG CASH GENERATION
30%+
Improvement in operating cash flow

* Results may vary depending on industry, scale, and operating conditions.

VALUE DRIVERS FOR INVESTORS

- LARGE ADDRESSABLE MARKET**
Total addressable market of \$187.9B by 2030 with 6.8% CAGR.
- SCALABLE & REPEATABLE MODEL**
Modular, proven solutions that can be rapidly deployed globally.
- DIFFERENTIATED TECHNOLOGY**
Patented SMO® + ABS™ technology with superior performance and multiple benefits.
- STRONG PARTNERSHIP & TEAM**
Two industry leaders with complementary strengths and a proven track record.
- LOW RISK. HIGH IMPACT**
Proven in pilots and industrial operations with low environmental risk.

SAMPLE ROI SCENARIO (TYPICAL 50MW AI DATA CENTER COOLING APPLICATION)

ITEM	ANNUAL IMPACT (EST.)
Water Cost Savings	USD 1.2 – 1.8 Million
Energy Cost Savings	USD 0.8 – 1.4 Million
Chemical & Maintenance Savings	USD 0.4 – 0.6 Million
Total Annual Savings	USD 2.4 – 3.8 Million
Estimated Investment	USD 3.0 – 5.0 Million
Payback Period	1.5 – 3 Years

STRONG RETURNS. LOWER RISK. SUSTAINABLE IMPACT.

A SMART INVESTMENT FOR A BETTER FUTURE.



INVEST WITH CONFIDENCE

Two industry leaders. One powerful mission. TOGETHER, WE BUILD A CLEANER, MORE RESOURCEFUL, AND MORE PROSPEROUS WORLD.

+

OCEAN RECOVERY PROJECT

We are entering the market at the perfect convergence of need, policy, and technology.

POWERFUL MARKET TAILWINDS



• Government Commitment

Jamaica is driving national policy to industrialize Red Mud and build a circular economy.



• Global Demand Surge

Rapid growth in water treatment, resource recovery, and sustainable solutions worldwide.



• Regulatory Pressure

Stricter environmental regulations increase the need for effective, cost-efficient treatment technologies.



• Technological Readiness

SMO + ABS integration is proven, scalable, and ready for industrial deployment.



• First-Mover Advantage

ORP and GRON together create a unique, hard-to-copy platform with global scalability.



THIS IS NOT JUST A BUSINESS.

THIS IS A GLOBAL SOLUTION WITH MASSIVE IMPACT AND RETURNS.

UNMATCHED COMPETITIVE ADVANTAGE



Multi-Billion Dollar
Total Addressable Market



High Growth
Industries & Sectors



Strong ESG
Alignment



The time is now. The need is urgent. The solution is here. **LET'S BUILD THE FUTURE TOGETHER.**

WHY INVEST NOW?

The Time Is Right. The Need Is Urgent. The Opportunity Is Real.

Powerful global forces are converging—creating an unprecedented window for impact and returns.



1. JAMAICA GOVERNMENT INDUSTRIALIZATION AGENDA

- Government prioritizes local value creation, resource utilization, and export industries.
- Strong support for projects that drive jobs, innovation, and sustainable development.
- Policy alignment, incentives, and public-private partnership opportunities.



2. GLOBAL ESG IMPERATIVE

- Investors and industries demand measurable ESG performance.
- ABS + SMO™ enable lower emissions, lower water use, and reduced chemical footprint.
- Strong alignment with ESG frameworks and sustainability goals.



3. ESCALATING WATER SCARCITY

- Freshwater scarcity impacts over 40% of the global population.
- Industrial water costs rising 2–10x in many regions.
- Advanced water treatment and reuse solutions are mission-critical and in high demand.



4. EXPLOSIVE GROWTH OF AI DATA CENTERS

- AI workloads are driving data center expansion globally – power and cooling are limiting factors.
- Cooling systems require high-performance, reliable, and sustainable water solutions.
- SMO™ + ABS™ deliver superior performance, lower OPEX, and higher efficiency.



5. TIGHTENING MINING WASTE REGULATIONS

- Governments and regulators enforce stricter waste management and dam safety standards.
- Red mud and other by-products face increasing compliance costs.
- Our solution turns liabilities into assets and ensures future-proof compliance.



6. PFAS & CHEMICAL REGULATIONS ACCELERATING

- PFAS and other contaminants under intense global regulatory scrutiny.
- Advanced treatment technologies are urgently needed across industries.
- SMO™ demonstrated capability to address emerging contaminants.



7. CIRCULAR ECONOMY GOING MAINSTREAM

- Circular economy is a global economic transition.
- Companies seek resource recovery, reuse, and waste valorization.
- ABS + SMO™ transform waste streams into valuable, marketable products.



8. CARBON MARKETS & INCENTIVES EXPANDING

- Carbon pricing and credit markets are growing rapidly.
- Projects that reduce emissions and enable resource recovery generate real carbon value.
- Additional revenue streams improve project economics and investor returns.



THE CONVERGENCE
CREATES THE MOMENT.
INVEST TODAY.



Global Need



Strong Demand



Proven Solution



Sustainable Impact



Attractive Returns

A RARE OPPORTUNITY TO INVEST
IN IMPACT, INNOVATION, AND
LONG-TERM VALUE.



THE PROBLEM IS GLOBAL.
THE SOLUTION IS HERE.



THE TIMING IS NOW.
THE WINDOW IS OPEN.



THE PARTNERSHIP IS STRONG.
THE FUTURE IS PROMISING.

TOGETHER, WE TURN CHALLENGES
INTO SOLUTIONS. SOLUTIONS INTO VALUE.



EXIT STRATEGY & INVESTMENT STRUCTURE

Clear Use of Funds. Scalable Plan. Multiple Revenue Streams. Strong Exit Potential.

A well-structured investment driving rapid value creation and long-term returns.



1. USE OF INVESTMENT FUNDS

Where Your Investment Goes



2. SCALABLE GROWTH ROADMAP

From Pilot to Global Leadership



3. REVENUE STREAMS

Diverse. Recurring. Scalable.

- ABS PRODUCT SALES**
High-performance water treatment catalyst for industrial, municipal, and mining applications.
- SMO EQUIPMENT SALES**
Proprietary SMO Power Reactor™ systems for water & wastewater treatment and advanced applications.
- ENGINEERING & EPC SERVICES**
Turnkey plant design, engineering, construction, and commissioning.
- OPERATIONS & O&M SERVICES**
Recurring revenue from plant operation, maintenance, and performance optimization.
- TECHNOLOGY LICENSING**
Licensing of SMO technology and process know-how to global partners.

4. VALUE CREATION & EXIT POTENTIAL

Attractive Returns for Investors



EXIT OPPORTUNITIES

- ✓ Strategic Acquisition by Global Industrial or Water Companies
- ✓ Merge with ESG / Clean Tech / Resource Recovery Platforms
- ✓ IPO on Major Exchange (NASDAQ / TSX)
- ✓ License Buyout & Royalty-Based Exits

5. INVESTMENT STRUCTURE

Flexible. Transparent. Aligned.

- EQUITY INVESTMENT**
Preferred Equity / Common Equity
- INVESTMENT SIZE**
USD 10M – 50M (Tranche-Based)
- USE OF CAPITAL**
Milestone-Driven Disbursement
- INVESTOR RIGHTS**
Board Seat, Information Rights, Protective Provisions
- TARGET RETURNS**
20%+ IRR
3 – 5x MOIC

WHY THIS IS A WINNING INVESTMENT

- Solves a Global Problem**
- Proven Technology & Performance**
- Multiple Scalable Revenue Streams**
- High Growth Global Markets**
- Strong ESG & Impact**
- Attractive Exit Options**



**INVEST IN IMPACT.
INVEST IN THE FUTURE.**

We are transforming a legacy liability into a high-value global solution platform.
Together, we build value. Together, we lead the future.

LET'S BUILD THE FUTURE TOGETHER.



www.gronintl.com
www.orpinnovation.com



info@gronintl.com
info@orpinnovation.com

* Valuation projections are indicative and based on internal estimates. Actual results may vary depending on market conditions and execution.



**STRONG TECHNOLOGY.
PROVEN RESULTS.**



**SUSTAINABLE SOLUTIONS.
LASTING IMPACT.**



**STRATEGIC PARTNERSHIP.
GLOBAL LEADERSHIP.**



**ATTRACTIVE RETURNS.
REAL VALUE.**



THANK YOU. TOGETHER, WE CREATE A BETTER FUTURE.

SMO® + ABS™ – Innovative Solutions. Global Impact. Lasting Value.



KEY TAKEAWAYS



PROVEN TECHNOLOGY

Patented SMO® + ABS™ technology with validated performance across multiple industries.



STRONG MARKET POTENTIAL

Large and growing markets with multi-billion dollar opportunities.



SIGNIFICANT VALUE CREATION

Delivering measurable economic, environmental, and social value.



STRATEGIC PARTNERSHIP

Two industry leaders. Complementary strengths. Unmatched synergy.



SUSTAINABLE FUTURE

Driving innovation for a circular economy and a Net Zero world.

WE TURN CHALLENGES INTO SOLUTIONS.

**SOLUTIONS INTO OPPORTUNITIES.
OPPORTUNITIES INTO
A BETTER FUTURE.**



WATER
SECURITY



RESOURCE
RECOVERY



CIRCULAR
ECONOMY



CARBON
REDUCTION

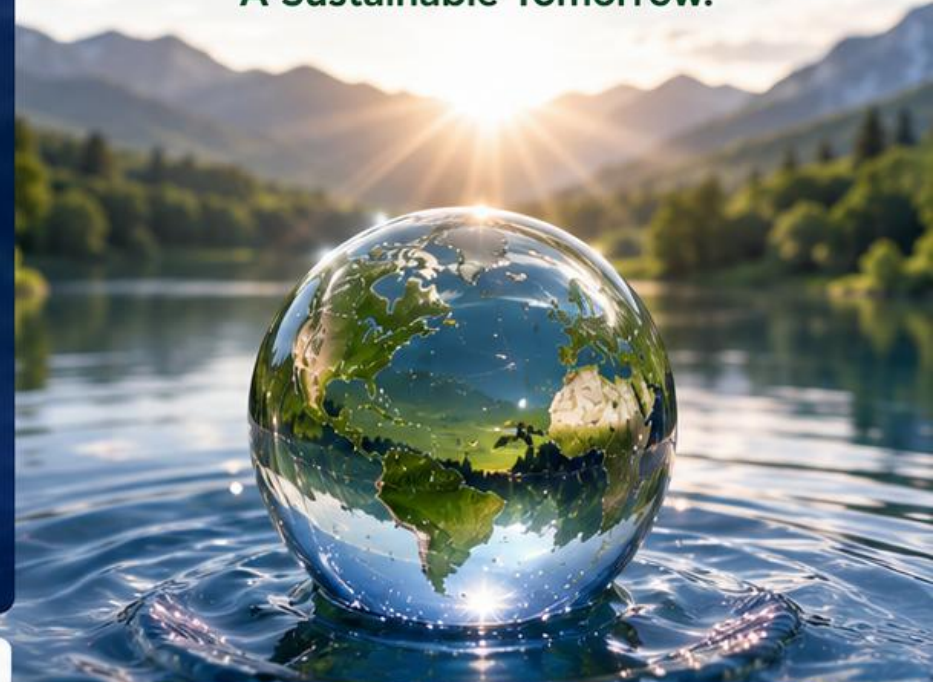


GLOBAL
IMPACT

**GRON brings the Resource.
ORP brings the Technology.**

Together, we create one of the world's most scalable circular water platforms.

**A Powerful Partnership.
A Sustainable Tomorrow.**



*The future is full of possibilities.
Let's build it together.*

OUR COMMITMENT TO YOU



QUALITY & RELIABILITY

Delivering reliable, high-performance solutions you can trust.



INNOVATION & EXCELLENCE

Continuously advancing technology to solve critical challenges.



CUSTOMER SUCCESS

Your success is our mission. We are with you every step.



GLOBAL RESPONSIBILITY

Committed to sustainability, people, and the planet.



LONG-TERM PARTNERSHIP

Building lasting relationships and shared success.

LET'S CONNECT.

WE LOOK FORWARD TO WORKING WITH YOU.



www.gronintl.com
www.orpinnovation.com



info@gronintl.com
info@orpinnovation.com



Scott Berggren, CEO – GRÖN Metallic Group
Jacob B. Lee, CEO – ORP Innovation



Together,
we make the
difference.
Thank You!