



Water security and conservation for a changing world

Access | Security | Conservation



Executive Summary

Purafy is a clean technology company that provides market-leading solutions to the world's water challenges. **There has never been a better time to invest in Purafy.**



Water Challenges

Increasing natural and humanitarian disasters are interrupting the already fragile supply of safe drinking water around the world



Water Solutions

Purafy's proven technology will hit the market in 2025 with graphene-enhanced filters wrapped in industry-leading form factors

Security

Portage

Portable water filtration plant in a suitcase



• Conservation

Revolution

Reduce water use by up to 80%



The Opportunity

Purafy is raising **\$2.0 million** in equity financing to fund the product launch

Valuation

\$10.2M Pre-Money

Raise

\$2.0M CAD

Equity Type

20,000,000 Units
Each unit consists of 1 Common Share and 1 Warrant @ \$0.15, 24 mo.

Water Challenges

By 2025, HALF of the world's population will be living in water-stressed areas (WHO)

Drought



World "at a crossroads" in drought management, up 29% in a generation and worsening, says UN

Flood



The number of weather-related disasters has increased 5X over the last 50 years – World Meteorological Organization

Wildfire



Wildfires severely affect water quality by causing soil erosion, increased flooding, and the flow of debris and potential contaminants

Storm



Officials in Asheville said that nearly 100,000 residents may not get access to water for weeks.

Geopolitical



People in a line for drinking water in Mykolaiv, Ukraine



Purafy set out to solve the immediate need for **water security** and the long-term need to **conserve** this vital resource.

Patented Technology

Graphene-Enhanced Advanced Ultrafiltration Membrane (AUF)

► Cleaner Water

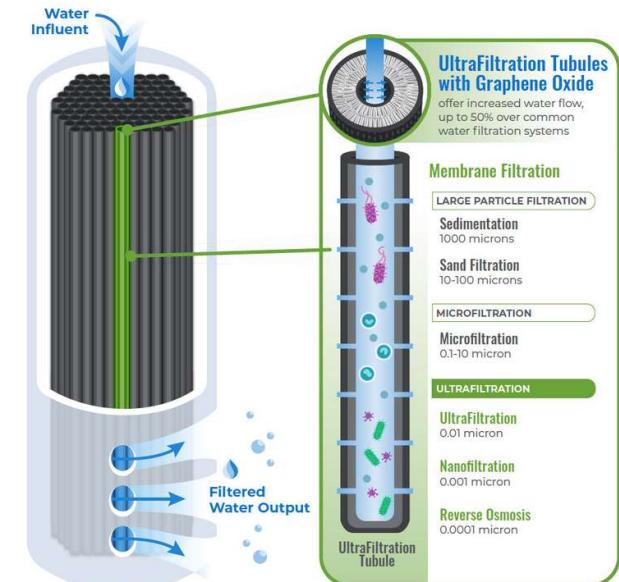
The **Graphene-Enhanced AUF** produces clean drinking water at greater volume and flow rates than any other existing technology.

► Proprietary Technology

Proprietary filtration technology eliminates **99.999999%** of viruses and bacteria.

► 28 Patents

The Graphene-Enhanced AUF produces clean drinking water at greater volume and flow rates than any other existing technology.



Independent Validation

Collaborations



demem



St. Lawrence
College

Certifications



Field Tests

United States



United Arab Emirates



Philippines Armed Forces



NGO, LGUs



Water Solutions

Security

Military • HADR • Humanitarian • Agriculture



► The Portage

Portable filtration plant in a suitcase

16,200 LPD Freshwater

2,200 LPD Seawater

Launching Q3, 2025

Conservation

Residential • Tiny Homes • Commercial



► The Revolution

Reuse your residential greywater

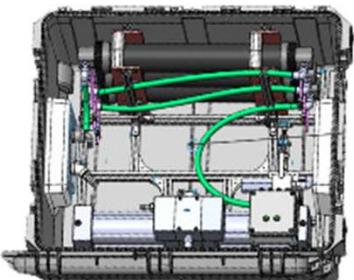
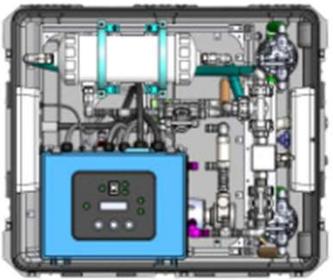
Up to 95% efficient

Reduces water consumption by 60-80%

Launching Q1, 2026

Portage Portable Filtration Plant

Built in partnership with the design experts at **Inertia**



► Performance

Rugged 2-box format delivers clean drinking water at 16,200 LPD from freshwater source and 2,200 LPD from seawater source

► Ease of Use

9 minute "drop to drink" first time use with simple digital interface and fail-safe controls, easy to deploy, use and maintain

► Electrical

Powered by AC or DC input on less than 500W of power, runs all day on solar/battery backup power

► Automation

Proprietary control systems protect the device from improper conditions, adjusting the system to optimize performance in real time



Portage vs. The Rest

Superior user experience at lower total cost of ownership

System	PORTAGE	SPECTRA AQUIFER 360	ASPENWATER 2000DM	PARKER H2O-PRO
Flow rate	Freshwater: 3.0 GPM Seawater: 0.4 GPM	Freshwater: 0.208 GPM Seawater: 0.208 GPM	Freshwater: 1.39 GPM Seawater: 1.04 GPM	Freshwater: 0.42 GPM Seawater: 0.42 GPM
Dry Weight	120 kg (264.5 lbs) (box1: 68kg, box2: 52kg)	95 kg (210 lbs) (3 boxes, 31.6 kg each)	190.5 kg (420 lbs) (2 boxes)	118 kg (260 lbs) (2 boxes, 59 kg each)
System Dimension/Volume	30" x 26" x 15" (2 boxes) 11,700 in ³ per box 23,400 in ³ total	31" x 20.5" x 15.5" (3 boxes) 9,850 in ³ per box 29,551 in ³ total	48.5" x 36" x 26" (2 boxes) 45,396 in ³ per box 90,792 in ³ total	31.6" x 23" x 19" (2 boxes) 13,809 in ³ per box 27,618 in ³ total
Energy Usage	Freshwater: 225W Seawater: 500W	Freshwater: 220W Seawater: 220W	Max: 1,200W Average: 900W	Freshwater: 400W Seawater: 700W
Input Voltage	AC: 100V-260V DC: 24V-28V	AC: 100V-260V DC: 12V-24V	AC: 100V-260V DC: 24V-28V	AC: 120V DC: 24V
Prefiltration Pore Size	UF: 0.01 um	PP filter: 5 um	Pleated Filter: 3 um	ceramic filter: 5 um
Pre-filter servicing	Automatic flushing	Manual change	Manual change	Manual change/washable
RO Recovery Rates	15%	10%	10%-39%	-
Liters per day	Freshwater: 16,200 LPD Seawater: 2,200 LPD	Freshwater: 1,134 LPD Seawater: 1,134 LPD	Freshwater: 7,566 LPD Seawater: 5,660 LPD	Freshwater: 2,286 LPD Seawater: 2,286 LPD

Efficiency Comparison	PORTAGE	SPECTRA AQUIFER 360	ASPENWATER 2000DM	PARKER H2O-PRO
Liters per kWh	Freshwater:.....3,000 L/kWh Seawater:183 L/kWh	Freshwater:.....215 L/kWh Seawater:.....215 L/kWh	Freshwater:.....351 L/kWh Seawater:.....262 L/kWh	Freshwater:.....238 L/kWh Seawater:.....136 L/kWh
LPD per kg	Freshwater:.....238 LPD/kg Seawater:.....18.2 LPD/kg	Seawater:.....11.9 LPD/kg Seawater:.....11.9 LPD/kg	Freshwater:.....39.7 LPD/kg Seawater:.....29.7 LPD/kg	Freshwater:.....19.4 LPD/kg Seawater:.....19.4 LPD/kg

The only device with a freshwater configuration delivering a staggering 16,200 litres per day.

Portage '25- '26 Pipeline

Establishing a deep pipeline of active customer opportunities – target 50 units 2025

Humanitarian Aid

Providing clean drinking water in response to local humanitarian crises

- Ukraine – Red Cross
- Gaza – Red Crescent
- Philippines – Red Cross
- UN Water
- UNICEF



Disaster Relief

Providing clean drinking water in response to natural disasters

- Canada – Global Medic
- USA
- Philippines – OCD

Agriculture

Salt infiltration in wells used for agriculture and/or reforestation projects

- UAE – Farming
- UAE – Ag Projects
- Paraguay – Ag Projects
- Zambia

Military

Forward military operations and special forces facing uncertain water supply

- DR
- Philippines
- USA
- Canada
- Ukraine

Revolution Greywater Recycling

Use up to 80% less water

By integrating advanced electrochemical processes with rapid sedimentation and high-efficiency filtration, our solution offers faster, more effective, and more sustainable greywater treatment than conventional alternatives.

Rapid Sedimentation

The baffled design accelerates pollutant settling, significantly reducing treatment time while maintaining high efficiency.

Superior Pollutant Removal

Patented electrooxidation process offers superior removal of persistent pollutants like PFAS, surfactants, and dissolved organics without chemical additives.



Easy to Use and Maintain

Adjusts to the user's behaviour to optimize performance during periods of high usage and vacation.

Reduces the environmental impact at a lower total cost of ownership.

Scalable and Adaptable

The V3 system is modular and scalable to meet the specific needs of different users, from tiny homes to traditional households to large-scale developments.

Revolution vs. The Rest

Purpose-built for small spaces, scalable to changing market demands

Size

- Scales down to fit tiny home for scalable growth
- Smallest footprint per L produced

Water Quality

- Highest water quality performance across all measures
- Highest level of physical filtration (< 0.01 micron)
- NSF P231 testing underway

Ease of Use

- Automatically adjusts to preserve during vacations
- V. short time to prime after period of hibernation

Lowest Total Cost of Ownership

- Check math

Made in Canada!

Product	Model	Price (USD)	Water Throughput (L/d)	Filtration Technologies	Energy Consumption (kWh/d)	Energy Efficiency (L/kWh)	System Dimensions	Certifications
Purafy Revolution	REV-140	TBD	140	EC, AUF, Adsorption	1	120	TBD (Modular-flexible with constraints)	NSF 350 NSF P231 (Pending)
Hydraloop	H600, H300	4,000	1,000	Sedimentation, Bioreactor, UV	1	1,000	32" x 74" x 28"	NSF 350
Greyter	Greyter Home	3,700	113	Prefilter, Ultrafilter, Adsorption	0.5	226	28" x 65" x 19"	NSF 350
Terragon	WETT-G	N.D.	1,440	Electrocoagulation, Adsorption	11.5	125	33" x 75" x 36"	Not certified

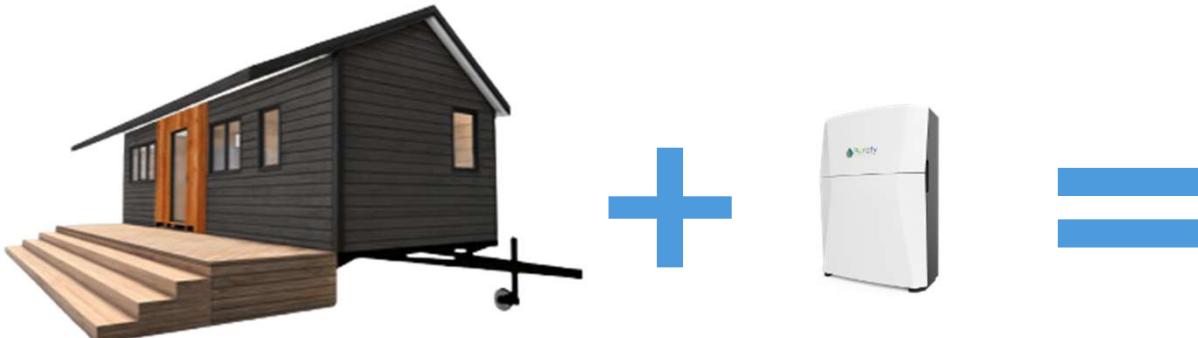
Product	Model	Servicing Frequency	Sound	Compatible with Hard Water?	Output Water Quality						
					CBOD5 (mg/L)	Turbidity (NTU)	E. Coli (CFU)	Chlorine (mg/L)	Micron	Made In	Warranty
Purafy Revolution	REV-140	6 months	44 dB	Yes [5L citric acid flush / 26 weeks]	1	< 0.5	< 1	0	0.01	Canada	TBD
Hydraloop	H600, H300	Annual	46 dB	Yes [5L citric acid flush / 26 weeks]	10	5	14	0	< 10	NETH	N.D.
Greyter	Greyter Home	Annual (chlorine + adsorption)]	N.D.	N.D.	2	0.7	< 1	0.95	< 0.1	Canada	2 year
Terragon	WETT-G	3 Mo. (electrodes)	N.D.	N.D.	5	< 2	< 10	0	< 5	Canada	N.D.



Revolution Path to Market

Unique GTM partnership strategy accelerates launch

A partnership that unlocks value...



Small home living and lifestyle



Greywater recycling and reuse

Developer Value

- No permits required with homes on wheels
- Position anywhere on property
- Simplified approach saves time and money
- Infrastructure is no longer a barrier to development

Homeowner Value

- Simple, worry-free water recovery system
- Seamless integration in new home avoids retrofit cost
- Embrace the tiny home lifestyle and off-grid living

Shareholder Value

- Overcomes short-term regulatory complexity
- Testing with live users at scale
- Access to immediate addressable market
- Perfect the system for integration into traditional residential applications

Tiny Home Market Growth

Strong growth in unit sales projected as Tiny Home interest accelerates



Tiny home interest is growing:



"A survey in North America found that 23% of all adults said they would, or would definitely, consider living in a tiny home - For the age group of 18-34, that jumps to 34%"

Other signs of growth:

- SLC signs supply agreement with HomeDepot.ca
- Homebuilders are contacting SLC to learn more
- Municipalities contacting SLC to learn more
- Developers moved by "Solving Water"

Financial Projections

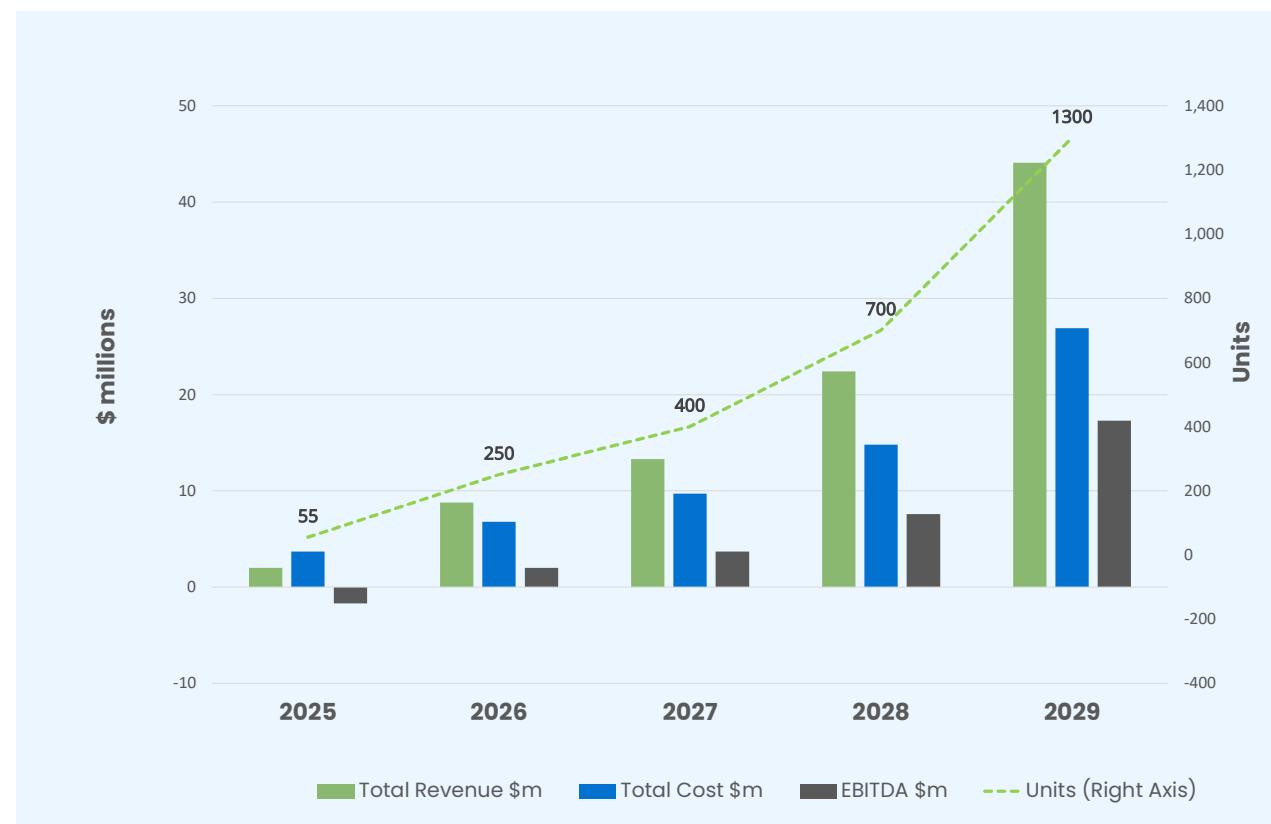
5-Year Sales and EBITDA Forecast

Portage 2025

45 Units Sold
\$1,890,000 Revenue

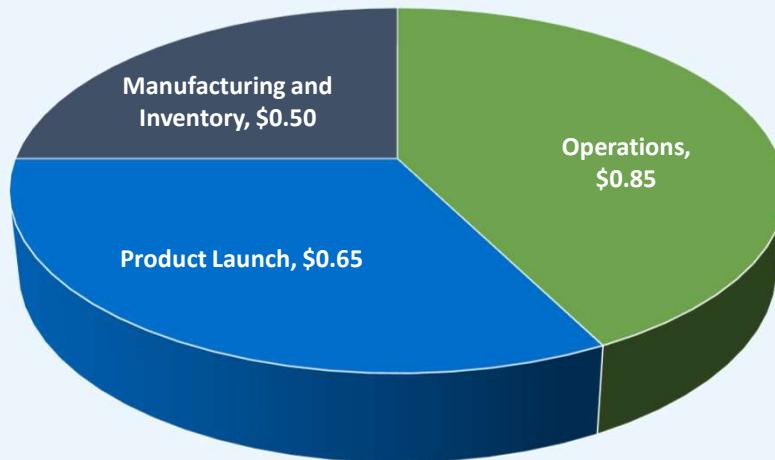
Revolution 2025

10 Units Sold
\$70,000 Revenue



Investment Opportunity

Use of Proceeds (\$mil)



Funding used to commercialize Portage and Revolution to maximize in-year sales.



Valuation

\$10.2M Pre-Money



Raise

\$2.0M CAD



Equity Type

Raise up to \$2.0M at \$0.10 per unit with each unit consisting of one common share and one share purchase warrant at \$0.15 per share over 24 months

New Share Issue (\$.10 CDN) 20,000,000
Resulting Issued and Outstanding 137,049,182
Closing September 30, 2025
Minimum Investment \$250,000
Liquidity (expected) 18-36months
RTO or Strategic buyout



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