

Solarator[®]

PRODUCT BROCHURE

The proven
solar-powered
alternative to dirty
diesel:



OUR SOLUTIONS

Mobile, modular, scalable and rapidly deployable generators & cold-storage solutions

- 100% Solar-Powered Products
- Cost Savings (vs Diesel Alternatives)
- CO2 Emissions Reduction
- Easily Transportable & Deployable
- Low Maintenance
- Real-Time Data & Performance Tracking
- Remote Monitoring & Controls
- American Made



Clean energy for commercial and impact industries



CONSTRUCTION



INFRASTRUCTURE



MINING



DEFENSE



AID & DEVELOPMENT



AGRICULTURE & AQUACULTURE



GOVERNMENT



EVENTS



REMOTE COMMUNITIES

ELIMINATING DIRTY DIESEL



Solarator[®]

- Our mission is clear: **to replace diesel-generated power.**
- Our products offer a **reliable replacement for diesel generators & diesel reefer containers.**
- Solarators™ **reduce emissions** and allow individuals, businesses, and communities to **save significantly on fuel and operating costs.**

70% +
reduction in
operating costs

90% +
reduction in
CO2 emissions



Leverage the power of data and evidence-based methodology

With years of expertise in the field and use cases in various industries, ROXBOX leverages performance data and a proprietary modeling tool in forecasting your Solarator™ performance against diesel alternatives, as well as predicting financial and environmental savings. Our clients are also equipped with reporting capabilities and performance analysis of their Solarator™ units. Through our secure portal, clients can generate custom, downloadable ESG reports in minutes saving them time, money, and effort spent on data analysis.

The screenshot shows a user interface for 'BLACK STUMP'. At the top, there are navigation links: 'Contact', 'Customer Portal', 'Account', and 'Log out'. Below the header, there's a 'Home / Dashboard' breadcrumb and a 'Welcome' message. A 'Summary: Your Installations in Blackstump' section includes a 'Create report »' button. There are filters for 'Site' and 'Unit' (both set to '-- all --') and a 'Period' dropdown set to 'Previous financial year' with 'Apply' and 'Reset' buttons.

Summary of Savings

DEVICE NAME	FUEL COST SAVINGS (\$)	CO2 EMISSION SAVINGS (KG)	FUEL USE SAVINGS (L)
*Device name redacted	\$ 57210	76656	28605
*Device name redacted	\$ 20203	27076	10101
*Device name redacted	\$ 18143	24311	9072
*Device name redacted	\$ 37058	49659	18529
*Device name redacted	\$ 889	1192	445
Total	\$ 133504	178893 KG	66752 L

Diesel Fuel Use Comparison and Savings (Solarator v. BAU Genset)

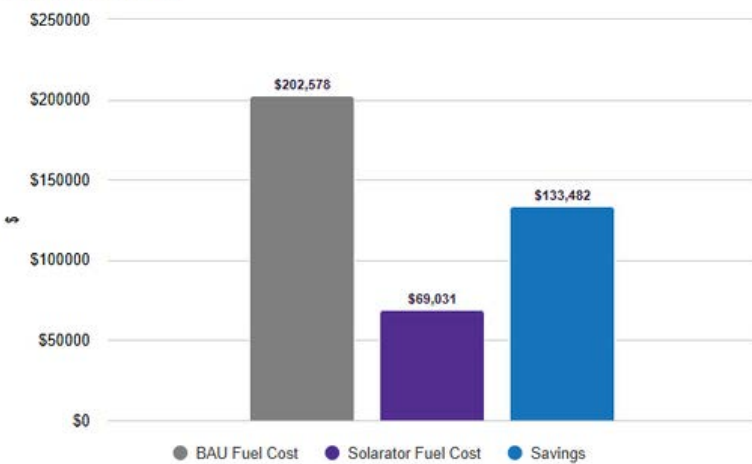
Category	Value (L)
BAU Diesel Fuel Used (L)	~100,000
Solarator Fuel Used (L)	~35,000
Fuel Use Savings (L)	~65,000

*Customer & device names have been redacted from the portal screenshot above

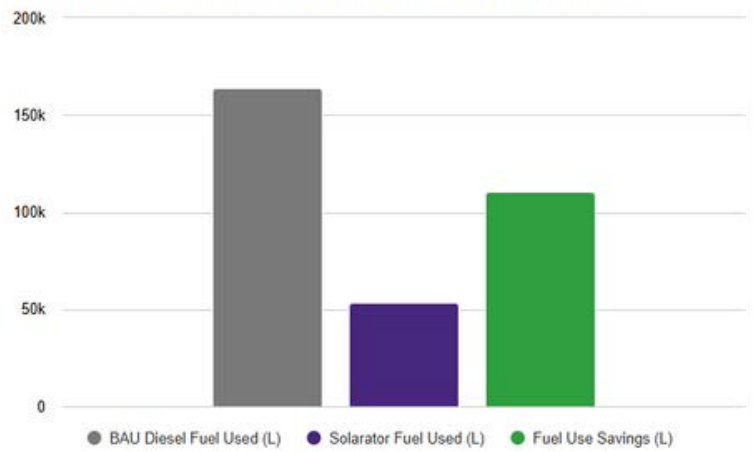
Long term savings compared to diesel alternatives

Although our Solarators™ require a higher initial investment compared to standard diesel alternatives, their operating costs are virtually zero, offering a stark contrast to the high operating expenses of diesel-powered solutions. Additionally, Solarators™ can help businesses earn valuable carbon credits, further enhancing their long-term financial and environmental benefits.

Fuel Cost Savings



Diesel Fuel Use Comparison and Savings (Solarator v. BAU Genset)



**Data in the graphs above is for visualization purposes only. Cost & fuel savings vary based on the unit.*



A worker in a white hard hat and orange safety vest is working on a solar panel array mounted on a metal structure. The background shows a blue sky and some buildings.

SUPPORT SERVICES

MOBILE RENEWABLE GENERATOR



Solarator®

HELIOS Solarator™ products include the following support services:

- 24/7 remote monitoring via wi-fi or satellite connection
- Remote technical assistance
- Dedicated access to performance, commercial, and sustainability data via our customer portal
- Customized reporting via our customer portal
- Operating manuals
- Data sheets
- User training

Additional support services include:

- Service plans
- Customized knowledge transfer, maintenance, and servicing packages
- Logistic solutions



Solarator[®]

**RENEWABLE GENERATOR
PRODUCT RANGE**

Solarator[®]

RENEWABLE GENERATOR PRODUCT RANGE:

- Solarator[™] Compact 20+ kW
- Solarator[™] Compact 40+ kW
- Solarator[™] Compact 80+ kW
- Solarator[™] Compact 120+ kW
- Solarator[™] Fold-Out 40+ kW
- Solarator[™] Fold-Out 60+ kW
- Solarator[™] Mini 10+ kW
- Solarator[™] Arrays
- Solarator[™] Microgrid
- Solarator[™] Mobile Solar Farm

SOLAR OPTIMIZED POWER GENERATION

ROXBOX produces a range of HELIOS Solarator[™] Renewable Generators to meet site power needs via a sustainable solution.

Each containerized Solarator[™] can be rapidly deployed in remote, regional and urban environments within 30 minutes, and we offer redundancies to ensure an uninterrupted power supply.

Each unit is transportable, securable, and can be fully customized to your specific needs, including hybrid and micro grid compatibility.

The estimated payback period is often ~18 to 24 months. However, individual business cases will result in varying degrees of operational savings and returns.



BASE MODEL SPECS & FEATURES:

- 20' shipping container
- 60 to 100+ kW operating range
- Deployable solar arrays
- Battery bank
- Easily transportable by road, rail, or sea
- Powers multiple modules
- Operational within 30 minutes of delivery
- Real-time data portal
- Remote operation & monitoring capabilities

OPTIONAL UPGRADES:

- Hybrid option available (includes redundant (bio)diesel generator)
- Custom paint & branding
- Maintenance program

Nominal output (kW)

60+ kW

Nominal output (kVa)

75+ kVa

Payback (years)

1.8 to 2.3 years

Fuel savings (per year)

\$179,000

CO₂ savings (per year)

215,000 kgs

**Detailed spec sheet available upon request*



**Every effort has been made to provide information that is current and accurate. Nevertheless, specifications are subject to change. Images are for reference only and may not reflect the actual configuration of the product.*

The image shows the interior of a cold storage facility. The walls and ceiling are lined with reflective, corrugated metal insulation. A large, semi-circular blue overlay is positioned on the left side of the image. The floor is covered with a grey, diamond-patterned metal grating. The lighting is bright and even, highlighting the industrial environment.

Solarator

**COLD STORAGE
PRODUCT RANGE**

Solarator

COLD STORAGE PRODUCT RANGE:

- Solarator™ 20' Walk-In Cooler
- Solarator™ 20' Freezer
- Solarator™ 20' Ice Maker

SOLAR OPTIMIZED COLD CHAIN

ROXBOX produces a range of HELIOS Solarators™ specifically designed for high-performance, temperature-controlled cold storage operations.

Each mobile refrigerator, freezer, and ice maker is 100% solar powered with battery back-up requiring no fuel, generator, or grid connection, giving you the reassurance of an uninterrupted power supply.

Each unit is transportable, securable, and can be fully customized to your specific needs, including hybrid and microgrid compatibility.

The estimated payback period is often immediate. However, individual business cases will result in varying degrees of operational savings and returns.



Our single-zone cool room is 100% solar-powered and can operate 24/7 in any environment. The unit is easily transportable by road, rail, or sea, and it only takes 15 minutes & minimal labor to unload and operate. A remote operator can utilize real-time data & performance tracking to capture valuable carbon reporting & cost-saving metrics.

Operating temperature

+35 to +39°F (+2 to +4°C)

Fuel savings (per year)

\$120,000

CO₂ savings (per year)

160,000 kgs

**Detailed spec sheet available upon request*



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Our single-zone freezer is 100% solar-powered and can operate 24/7 in any environment. The unit is easily transportable by road, rail, or sea, and it only takes 15 minutes & minimal labor to unload and operate. A remote operator can utilize real-time data & performance tracking to capture valuable carbon reporting & cost-saving metrics.

Operating temperature

0°F (-18°C)

Fuel savings (per year)

\$160,000

CO₂ savings (per year)

214,000 kgs

**Detailed spec sheet available upon request*



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Our Solarator[®] version of a commercial, industry-grade ice maker can produce up to 600 kgs of flake ice per day, or can be configured to make 300 kgs of block ice. It can produce ice using either freshwater or saltwater. A remote operator can utilize real-time data & performance tracking to capture valuable carbon reporting & cost-saving metrics.

Operating temperature

0°F (-18°C)

Water Source

Manual fill

Fuel Savings (per year)

\$120,000

CO₂ savings (per year)

160,000 kgs

**Detailed spec sheet available upon request*

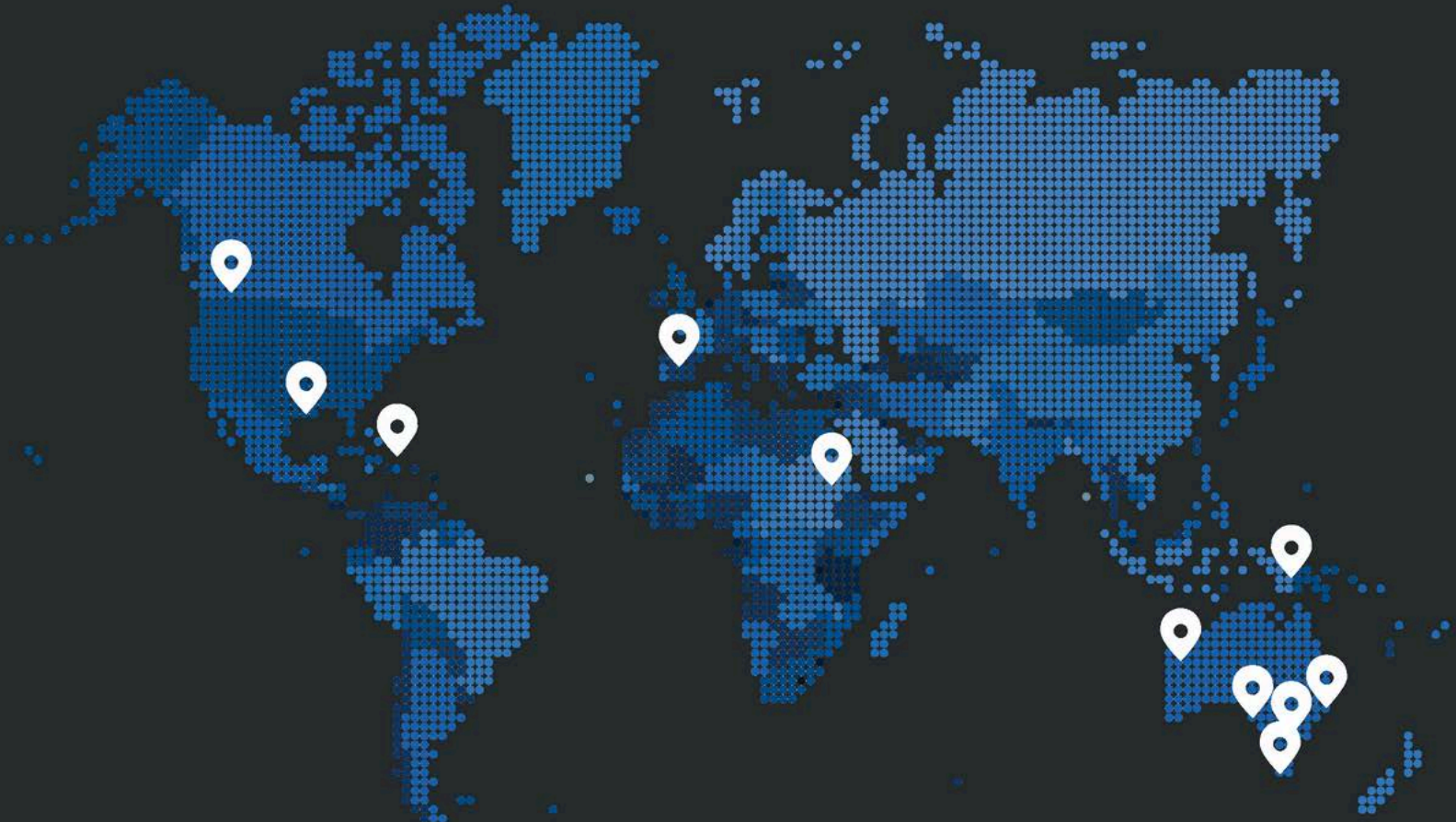


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ROXBOX has partnered with Black Stump Technologies, a sustainability technology company operating out of Melbourne, Australia with over 50 years of experience. Solarators™ can be found operating in Australia, North America, the Pacific Islands, and Europe, with plans to expand into South America, the Middle East, Africa and Asia.

Interested in becoming a distributor? Contact us today.



THE HELIOS BENEFIT



RELIABILITY



**EASILY DEPLOYED,
LOW MAINTENANCE**



**EMISSIONS
REDUCTION**



COST SAVINGS

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