SOURCE combines sunlight + air to make, mineralize, and deliver a perfected supply of drinking water right to your tap.

Operating across the world in a wide range of conditions from the arid Sonoran Desert to the humid equatorial mountains, SOURCE drinking water is safe and delicious. Without the energy storage challenges of traditional solar pv, SOURCE is self-contained and simple to install.

WATER INDEPENDENCE
SOURCE flows conveniently to your tap from infrastructure independent Hydropanels on your roof. Low-maintenance and always delicious, you own your water.

RENEWABLE
Powered by solar, SOURCE Hydropanels tap into the inexhaustible supply of fresh water in the atmosphere, eliminating plastic or water waste.

EVERY PERSON, EVERY PLACE
Whether it’s dry or humid, SOURCE makes water for you and your family. From 2 panel to large arrays, SOURCE arrays are designed to make drinking water to meet your consumption needs.

DRINKING WATER, PERFECTED
SOURCE Hydropanels make and mineralize pure water for taste and health benefits. Every morning when the sun comes up, you can have peace of mind knowing that your water supply is refreshed each day. Unlike municipal or bottled water, SOURCE is without waste.

HOW DOES SOURCE WORK?
- Water vapour from the ambient air around us is drawn into SOURCE via fans and adsorbed onto special material
- Pure water is desorbed into an air-tight system and is condensed inside SOURCE
- Liquid water flows into reservoir and is mineralized
- Drinking water passes through flavour polishing cartridge before being dispensed at the tap
- SOURCE Hydropanels are connected to a mesh network and are monitored for production and quality

HOW DO I GET SOURCE?
Wilco Electrical
Call: 08 6142 5404
Email: admin@wilcoelectrical.com.au

WATER STORAGE
Each Hydropanel holds 30 litres (60 standard water bottles) in a reservoir where it is mineralized and kept clean for optimal taste and health. Standard arrays have 120 bottles of water storage capacity

DAILY PRODUCTION
Standard array averages 4-10 litres each day or 8-20 16.9 ounce standard water bottles, depending on sunlight and humidity. Array sizes are designed by modeled performance

POWER
SOURCE utilizes solar power and a small battery to enable water production when the sun shines and water delivery on cloudy days or at night

WATER QUALITY
Pure water is created from water vapour, leaving behind any pollutants in the air, and minerals are added; Follows EPA and FDA guidelines

MINERAL CARTRIDGE COMPOSITION
One cartridge in reservoir: calcium and magnesium
Final finishing cartridge at tap: activated carbon

INSTALLATION OPTIONS
SOURCE certified installer configures to meet customer needs, mounted on roof

ENERGY USAGE
SOURCE is fully self-sustained and off-grid

DELIVERY
Water is delivered to a tap, fridge, or wall-mounted dispenser from pump at 80 psi
How does SOURCE work?

SOURCE Hydropanels harness the power of the sun to create a drinking water solution free from infrastructure, lengthy supply chains or transportation risk. SOURCE ensures the human right to clean water by providing the first ever path to complete drinking-water ownership.

- Ambient air is drawn into SOURCE via fans and water vapor in the air is adsorbed onto our specialty hygroscopic material
- The water vapor is collected as the airflow passes through a condenser and the resulting liquid water flows into the onboard reservoir
- The collected water is mineralized for optimal health/taste and treated (with Ozone) to maintain optimal water quality over time
- Water is pumped through a polishing cartridge prior to being dispensed to the customer
- Each Hydropanel is connected to a network and is monitored for performance and quality parameters

Installation

BASIC ARRAY DIMENSIONS

SAMPLE INSTALL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Location</th>
<th>Install Angle</th>
<th>Max Wind Speed Reqs</th>
<th>Mounting Options</th>
<th>Anchor Size/Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phoenix, Arizona, USA</td>
<td>40</td>
<td>180 KPH</td>
<td>Truss (w/ strut)</td>
<td>3/8”x3” Galv. Lag bolts (8)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ground/Concrete Roof</td>
<td>3/8”x3” expansion anchor</td>
</tr>
<tr>
<td>Mexico City, Mexico</td>
<td>30</td>
<td>135 KPH</td>
<td>Truss (w/ strut)</td>
<td>3/8”x3” Galv. Lag bolts (8)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ground/Concrete Roof</td>
<td>3/8”x3” expansion anchor</td>
</tr>
<tr>
<td>Manila, Philippines</td>
<td>15</td>
<td>270 KPH</td>
<td>Truss (w/ strut)</td>
<td>3/8”x3” Galv. Lag bolts (8)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ground/Concrete Roof</td>
<td>3/8”x3” expansion anchor</td>
</tr>
</tbody>
</table>

- SOURCE water is delivered to the dispenser through a 3/8” tube shielded from exterior environment by protective conduit when necessary
- Water pressure is provided by an 80psi rated pump powered by a rechargeable battery for continuous operation

World-Class Reliability

IEC 61215 Equivalency Testing:
- Solar Thermal Assembly Temp cycling and damp Heat tested to 16+ years
- Lower Housing Assembly temp cycling and damp Heat to 29+ years
- Internal components temp cycling and damp Heat to 20+ years
- Reservoir-Base Assembly temp cycling and damp Heat to 37+ years
- Passes EPA air quality testing
- EPA analysis testing methods 8260, 8270C_SIM, 8015D

Network Operations Center

- Each SOURCE Hydropanel is connected to the Zero Mass Water Network Operations Center (NOC)
- Data is returned from each Hydropanel to the NOC and stored in the cloud with redundancy
- Hydropanel performance is remotely optimized using machine learning
- The NOC resolves any alerts remotely or deploys the field service team as needed
- Cellular Module is FCC, ANATEL, and IC certified
- Hydropanels are optimized to hibernate in freezing temperatures to protect pump and return to full operation when safe to do so

Recommended Maintenance

<table>
<thead>
<tr>
<th>Maintenance Type</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Filter</td>
<td>6 Months</td>
</tr>
<tr>
<td>Water Filter</td>
<td>Every Year</td>
</tr>
<tr>
<td>Mineral Cartridge</td>
<td>Every 5 Years</td>
</tr>
<tr>
<td>Hydropanel Life</td>
<td>15+ Years</td>
</tr>
<tr>
<td>Standard Warranty</td>
<td>1 Year</td>
</tr>
<tr>
<td>Service &amp; Monitoring (Extended Warranty)</td>
<td>Available Upon Request</td>
</tr>
</tbody>
</table>
**Water Production**

Production of water by SOURCE panels is dependent on local measures of relative humidity (RH) and solar energy (kWh). SOURCE Hydropanels produce an average of 2-5 Litres of water daily.

**The Highest Commitment to Water Quality**

By design and as tested, SOURCE water quality is not impacted by air quality.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>US EPA Limit</th>
<th>SOURCE Standard of Excellence</th>
<th>SOURCE Test Result</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Microbial Parameters</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Escherichia coli - MPN/100mL</td>
<td>0</td>
<td>0</td>
<td>Not Detected</td>
</tr>
<tr>
<td>Coliform, Total - MPN/100mL</td>
<td>0</td>
<td>0</td>
<td>Not Detected</td>
</tr>
<tr>
<td>2 Others</td>
<td>-</td>
<td>-</td>
<td>Not Detected</td>
</tr>
<tr>
<td><strong>Inorganic/Chemical Parameters</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alkalinity</td>
<td>Not Established</td>
<td>10-250</td>
<td>10-84</td>
</tr>
<tr>
<td>Bicarbonate Alkalinity</td>
<td>Not Established</td>
<td>10-250</td>
<td>10-84</td>
</tr>
<tr>
<td>Calcium</td>
<td>Not Established</td>
<td>0-30</td>
<td>2.4-23</td>
</tr>
<tr>
<td>Total Dissolved Solids</td>
<td>503**</td>
<td>20-250</td>
<td>20-240</td>
</tr>
<tr>
<td>Hardness as Calcium carbonate</td>
<td>Not Established</td>
<td>&lt; 200</td>
<td>6.0-100</td>
</tr>
<tr>
<td>Magnesium</td>
<td>Not Established</td>
<td>0-20</td>
<td>Not Detected -11**</td>
</tr>
<tr>
<td>Silicon</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Detected-2.0**</td>
</tr>
<tr>
<td>Turbidity - NTU</td>
<td>10**</td>
<td>0.25</td>
<td>Not Detected -0.060**</td>
</tr>
<tr>
<td>Nitrate as N</td>
<td>10</td>
<td>0 (nitrate-N)</td>
<td>0.09-2.7</td>
</tr>
<tr>
<td>Silver</td>
<td>0.7**</td>
<td>0.08</td>
<td>Not Detected -0.085**</td>
</tr>
<tr>
<td>Barium</td>
<td>2</td>
<td>0.7</td>
<td>0.0027 - 0.017</td>
</tr>
<tr>
<td>Nickel</td>
<td>Not Established</td>
<td>0.02</td>
<td>Not Detected -0.060**</td>
</tr>
<tr>
<td>pH - SU</td>
<td>8.5-8.5</td>
<td>8.5-9.0</td>
<td>&gt;7</td>
</tr>
<tr>
<td>Sodium</td>
<td>None</td>
<td>156</td>
<td>Not Detected -5.2*</td>
</tr>
<tr>
<td>Copper</td>
<td>10**</td>
<td>10</td>
<td>Not Detected -0.027*</td>
</tr>
<tr>
<td>Uranium</td>
<td>0.03</td>
<td>0.017</td>
<td>Not Detected -0.0016*</td>
</tr>
<tr>
<td>Aluminum</td>
<td>0.09-0.3**</td>
<td>0.2</td>
<td>Not Detected -0.087*</td>
</tr>
<tr>
<td>Zn</td>
<td>5.0**</td>
<td>3</td>
<td>Not Detected -0.07*</td>
</tr>
<tr>
<td>Nitrate as N</td>
<td>1</td>
<td>(Nitrate-N)</td>
<td>Not Detected -0.03*</td>
</tr>
<tr>
<td>31 Others</td>
<td>-</td>
<td>-</td>
<td>Not Detected</td>
</tr>
<tr>
<td><strong>Volatile/Semi-Volatile Parameters</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benzene</td>
<td>0.005</td>
<td>0.08</td>
<td>Not Detected</td>
</tr>
<tr>
<td>Toluene</td>
<td>1</td>
<td>0.7</td>
<td>Not Detected</td>
</tr>
<tr>
<td>118 Others</td>
<td>-</td>
<td>-</td>
<td>Not Detected</td>
</tr>
<tr>
<td><strong>Radiochemical Parameters</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Gross Alpha</td>
<td>15</td>
<td>15.5</td>
<td>Not Detected</td>
</tr>
<tr>
<td>Radium 226 - pCi/L</td>
<td>6</td>
<td>5</td>
<td>Not Detected</td>
</tr>
<tr>
<td>Radium 226 - pCi/L</td>
<td>6</td>
<td>5</td>
<td>Not Detected</td>
</tr>
<tr>
<td>Gross Beta</td>
<td>7</td>
<td>4</td>
<td>Not Detected</td>
</tr>
<tr>
<td><strong>Miscellaneous Parameters</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asbestos - MFI</td>
<td>7</td>
<td>7</td>
<td>Not Detected</td>
</tr>
<tr>
<td>I180B - Dinin</td>
<td>3x10-8</td>
<td>3x10-8</td>
<td>Not Detected</td>
</tr>
<tr>
<td>9 Others</td>
<td>-</td>
<td>-</td>
<td>Not Detected</td>
</tr>
</tbody>
</table>

* Range represents min and max test result of 2AW’s routine water monitoring and testing
** Secondary standard - non-mandatory water quality standards set by the US EPA
**Application:**  SOURCE for Commercial Spaces

**Site Name:**  Array Energy

**Location:**  Gold Coast, Queensland

**Installation Method:**  Rooftop

**Array Size:**  2 Hydropanels

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**Project Overview**

Array Energy is an approved SOURCE distributor and a qualified SOURCE installer based in Burleigh Heads, Queensland. Partnering with Array Energy, Zero Mass Water has brought a renewable drinking water solution to the Array Energy head office. Additionally, SOURCE provides delicious drinking water for customers, key stakeholders, and of course, the Array Energy staff! Over its lifetime, this SOURCE array will offset over 40,000 plastic water bottles.

This project received funding as part of ARENA’s Advancing Renewables Program.
Application: SOURCE for Retail
Site Name: Bing Lee
Location: Belconnen, New South Wales
Installation Method: Rooftop
Array Size: 6 Hydropanels

Project Overview
Bing Lee Electrics, a major retailer of electric appliances in New South Wales, Australia, has partnered with Zero Mass Water to bring SOURCE Hydropanels to retail stores in Sydney, Belconnen and Taree. Demonstrating first in the world, off-grid technology, SOURCE provides water samples for Bing Lee visitors and staff to enjoy. On the Bing Lee showroom floor, customers can learn more about the benefits and impact of SOURCE and purchase the technology. Over its lifetime, this SOURCE array will offset over 120,000 plastic water bottles.

This project received funding as part of ARENA’s Advancing Renewables Program.
Project Overview

Bing Lee Electrics, a major retailer of electric appliances in New South Wales, Australia, has partnered with Zero Mass Water to bring SOURCE Hydropanels to retail stores in Sydney, Belconnen and Taree. Demonstrating first in the world, off-grid technology, SOURCE provides water samples for Bing Lee visitors and staff to enjoy. On the Bing Lee showroom floor, customers can learn more about the benefits and impact of SOURCE and purchase the technology. Over its lifetime, this SOURCE array will offset over 160,000 plastic water bottles.

This project received funding as part of ARENA’s Advancing Renewables Program.
Project Overview

Bing Lee Electrics, a major retailer of electric appliances in New South Wales, Australia, has partnered with Zero Mass Water to bring SOURCE Hydropanels to retail stores in Sydney, Belconnen and Taree. Demonstrating first in the world, off-grid technology, SOURCE provides water samples for Bing Lee visitors and staff to enjoy. On the Bing Lee showroom floor, customers can learn more about the benefits and impact of SOURCE and purchase the technology. Over its lifetime, this SOURCE array will offset over 80,000 plastic water bottles.

This project received funding as part of ARENA’s Advancing Renewables Program.
**Application:**  SOURCE for Rural Farms  
**Site Name:**  Elmswood Farm  
**Location:**  Hunter Valley, New South Wales  
**Installation Method:**  Ground Mounted  
**Array Size:**  2 Hydropanels

**Project Overview**

Elmswood Farm is an organic, biodynamic farm located on 10,000 acres in the beautiful Hunter Valley. Seeking a drinking water solution that would supplement their existing rainwater tank, the owners of Elmswood Farm's now enjoy high-quality, delicious and renewable drinking water. Aside from the taste and health benefits, installing SOURCE Hydropansels has eliminated the inconvenience of buying bottled water and has provided an innovative drinking water solution in an area that is without traditional drinking water infrastructure. Over its lifetime, this SOURCE array will offset over 40,000 plastic water bottles.

This project received funding as part of ARENA’s Advancing Renewables Program.
**Application:**  SOURCE for Communities

**Site Name:**  Gundy Soldiers’ Memorial Hall

**Location:**  Hunter Valley, New South Wales

**Installation Method:**  Rooftop

**Array Size:**  8 Hydropanels

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**Project Overview**

Relying on bottled water, untreated water tanks, boreholes and the local river, the town of Gundy, New South Wales, was in need of a sustainable solution that leapfrogs traditional drinking water infrastructure. The installation of SOURCE Hydropanels at the Gundy Soldiers’ Memorial Hall provide safe, reliable and delicious drinking water for the community to enjoy. Boosting community resilience, SOURCE Hydropanels will offset over 160,000 plastic water bottles over the lifetime of the array.

This project received funding as part of ARENA’s Advancing Renewables Program.
Application: SOURCE for Eco-Tourism
Site Name: Lady Elliot Island
Location: Great Barrier Reef, Queensland
Installation Method: Ground Mounted
Array Size: 8 Hydropanels

Project Overview
Located at the southern tip of the Great Barrier Reef, Lady Elliot Island is a tropical island oasis that provides visitors the opportunity to explore one of the Seven Wonders of the Natural World and enjoy the warm weather and local marine beauty. The installation of eight SOURCE Hydropanels at the site now provides Lady Elliot island with an off-grid supply of clean and delicious drinking water. Over its lifetime, this SOURCE array will offset over 160,000 plastic water bottles.

This project received funding as part of ARENA’s Advancing Renewables Program.
**Application:** SOURCE for Communities  
**Site Name:** Macarthur Centre for Sustainable Living  
**Location:** Mount Annan, New South Wales  
**Installation Method:** Ground Mounted  
**Array Size:** 10 Hydropanels

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**Project Overview**

The Macarthur Centre for Sustainable Living (MCSL) is a beacon of sustainability and community within the thriving western suburbs of Sydney, Australia. MCSL is proudly sponsored by the Macarthur Councils - Campbelltown City Council, Camden Council, Wollondilly Shire Council and The Australian Botanic Gardens. Hosting around 30,000 visitors per year, the community-run facility showcases the latest in sustainable living initiatives, including the installation of ten SOURCE Hydropanels. Today SOURCE provides clean, high-quality drinking water for MSCL and offsets up to 200,000 plastic water bottles over its lifetime.

This project received funding as part of ARENA’s Advancing Renewables Program.
**Project Overview**

With the installation of four SOURCE Hydropanels, Mary’s Mount School in Perth, Western Australia, now provides clean, renewable drinking water for students and staff to enjoy. Supporting their education with ultimate hydration, SOURCE advances the schools desire to offset bottled water and serves as an educational opportunity for students to learn about sustainability and innovation. Over its lifetime, this SOURCE array will offset over 80,000 plastic water bottles.

This project received funding as part of ARENA’s Advancing Renewables Program.
Project Overview

Morlife Functional Foods is a leading producer of organic and health foods, providing simple nutritional solutions for customers in Australia and around the world. They provide nutritious, delicious and convenient superfoods that are specifically designed for each individual’s needs. At Morlife’s Gold Coast facility, the installation of ten SOURCE Hydropanels provides clean, delicious drinking water to Morlife employees and customers to enjoy. Additionally, this SOURCE array will offset up to 200,000 plastic water bottles over its lifetime.

This project received funding as part of ARENA’s Advancing Renewables Program.
Project Overview

At this rural property in Crookwell, New South Wales, the homeowner was seeking an additional drinking water solution to supplement their existing supply from a rainwater tank. Since installing SOURCE Hydropanels at the property, the owners now enjoy high-quality, delicious and renewable drinking water, while continuing their use of rainwater for showers, toilets and other domestic uses. In addition to the taste and health benefits that SOURCE provides, this SOURCE Hydropanel array will offset up to 100,000 plastic water bottles over its lifetime.

This project received funding as part of ARENA’s Advancing Renewables Program.
**Project Overview**

The Western Australian Police Force is demonstrating the application of SOURCE Hydropanels as part of a search for practical and sustainable ways to serve their community. The installation of eight SOURCE Hydropanels provide clean, renewable drinking water while offsetting up to 160,000 plastic water bottles over the lifetime of the array.

This project received funding as part of ARENA’s Advancing Renewables Program.
**Application:** SOURCE for Commercial Spaces

**Site Name:** Western Australian Police Force

**Location:** Perth, Western Australia

**Installation Method:** Rooftop

**Array Size:** 4 Hydropanels

**Project Overview**

The Western Australian Police Force is demonstrating the application of SOURCE Hydropanels as part of a search for practical and sustainable ways to serve their community. The installation of eight SOURCE Hydropanels provide clean, renewable drinking water while offsetting up to 80,000 plastic water bottles over the lifetime of the array.

This project received funding as part of ARENA’s Advancing Renewables Program.
Project Overview

Wilco Electrical is an approved SOURCE distributor and a qualified SOURCE installer based in Perth, Western Australia. Partnering with Wilco Electrical, Zero Mass Water has brought a renewable drinking water solution to the Wilco Electrical head office. Additionally, SOURCE provides delicious drinking water for customers, key stakeholders, and of course, the Wilco Electrical staff! Over its lifetime, this SOURCE array will offset over 40,000 plastic water bottles.

This project received funding as part of ARENA’s Advancing Renewables Program.
**Application:** SOURCE for Communities  
**Site Name:** Wirrpanda Foundation  
**Location:** Perth, Western Australia  
**Installation Method:** Rooftop  
**Array Size:** 4 Hydropanels

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**Project Overview**

A majority Aboriginal-owned company based in Perth, Western Australia, the Wirrpanda Foundation is a partner of Zero Mass Water and Wilco Electrical, and an approved distributor and installer of SOURCE. Committed to providing employment opportunities for indigenous communities, the Wirrpanda Foundation and Wilco Electrical have partnered with Zero Mass Water to improve the reliability and sustainability of drinking water in remote Aboriginal communities. Over its lifetime, this SOURCE array will offset over 80,000 plastic water bottles.

This project received funding as part of ARENA’s Advancing Renewables Program.
Project Overview

Meta Maya Construction (MMC) and Meta Maya Group (MMG) are two wholly owned subsidiaries based in Perth, of Pilbara Meta Maya Regional Aboriginal Corporation ("PMMRAC") a 100% privately owned, not for profit, Western Australian Aboriginal organisation based in Port Hedland in the Pilbara Region.

MMC has partnered with Zero Mass Water to bring SOURCE Hydropanels to Perth and Regional Western Australia.

MMC offers services around any type of construction build with MMG offering services around asbestos and hazardous materials, with both companies delivering solutions to both Government and the Corporate sector.

Over its lifetime, this SOURCE array will offset over 40,000 plastic water bottles.

This project received funding as part of ARENA’s Advancing Renewables Program.
Distributors: Wilco Electrical
E: admin@wilcoelectrical.com.au
W: www.wilcoelectrical.com.au

Installation and Maintenance:
Meta Maya Construction Pty Ltd
E: enquiries@metamaya.com.au
W: www.metamaya.com.au

currently servicing WA, NT and SA