



**Special points of interest:**

- **Pure Water made on site using renewable energy source**
- **Unlimited supply 100% beneficial to the environment**
- **Designer Water for local health**
- **Reduce Carbon Footprint, save lives**
- **Improve your business and green image give water away free**

**Solidea Group Publications**

<u>Products</u>	<b>2</b>
Cells and Modules	
<u>Projects</u>	<b>6</b>
Development, Finance, Fields, Commercial Installations, PV&CHP	
<u>BiPV</u>	<b>4</b>
Design, Procurement, Installation, New Products	
<u>Lighting</u>	<b>2</b>
Street and Public Transport Utilities, PPP, SSL's	
<u>Consulting</u>	<b>3</b>
Project and Cost Management, Due Diligence, Design Management, Handover, Employer and Lenders Representative, Expert Facade Service	
<u>Distribution</u>	<b>8</b>
Country Profiles	
<u>Corporate Social Responsibility</u>	<b>1</b>
Humane Projects	

# Solidea AirWell+ Pure Water for Free

## “Watergy” Renewable Energy Renewable, Pure Drinking Water

SOLIDEA AirWell+	Atmospheric Pure Water Condensers
AirWell+ Daily Capacity	Circa 1000 Liters per day
Unit Weight	<500kg Operational [Max]
Optimum Humidity	55-85% RH
Energy Consumption	0.24kWh/Liter Water
Bankable	Yes, Unlimited Inline Units
Warranty	Up to 10 years
Cost	<25,000 Euro/Unit
CO2 Saving AirWell+	>36.5 tons per year
Dispensing	In line Cooler
Carbonation	In line Carbonation
Installation	Same Day Plug and Play
Lead in and delivery	2-3 Months
Finance Availability	LTV 85-15% 100% Costs
Compliant	EU/US/AUS
Typical Shopping Center	Save up to 15% of its total delivery and transport cost



**Solar or PARS Powered Renewable Pure Water**  
 SOLIDEA produce a solar or PARS CHP powered water condenser to extract water from the atmosphere. The system is entirely renewable turning sunlight or MSW and other renewable feedstock into pure water on site where it is most valuable.

**Water Where its Needed**

Most supermarket chains, hospitals, camps and campus make bread, cook and process various food stuff on site so it can be served fresh and so it uses far less energy. So why not produce and bottle pure water on site too? A supermarket bottling plant often needs less energy and space than the bakery.

**More H<sub>2</sub>O less CO<sub>2</sub>**

Most bottle water consumes water to make water; most water is transported long distance, the content of carbonated drinks, iced teas, cordial and practically all cold beverage except pure juices delivered in plastic bottles and cartons could in theory be bottled in the supermarket. This could save up to 12% of produce delivery by volume and 15% by weight. By bottling on site significant diesel fuel can be saved.

**Environmental Benefits**

SOLIDEA AirWell+ extracts water directly from the atmosphere. 100% powered by renewable energy the more the process extract actually the more the environment benefits. Water extracted from the ground is not good for the environment.

**Pure Water Makes The Best Drinking Water**

SOLIDEA AirWell+ can replicate any mineral water or beverage by mineral and flavor dowsing. Being controlled pure water its often far better quality.

**A Shopping Center Producing 4 tons of waste a day can produce > 10,000 liters of pure water every day**

**How Much CO2 does it really save?**

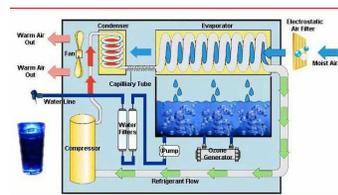
Statistics on delivery of bottled water are at best vague. However on average it takes over 3 liters of water and 162 grams of oil to produce the average 1.5 liter bottle of mineral water, an estimated 150g of GHG.

**The Capacity of One AirWell+**

One AirWell+ can produce up to 1000 liters per day of CO2 free water, it can save 36.5 tons of CO2 a year making 365,000 liters of water a year and saving over 1million liters. Teamed with PARS CHP, using a typical shopping centers MSW as feedstock can produce over 10,000 liters of water every day.

**Competing With Designer Waters**

According to most international food standards some 90 different elements are permitted in mineral water the content of mineral water. SOLIDEA find even the most expensive mineral waters can contain impurities that they could best do without. Whilst few of the lesser elements found in mineral water are good for you no bottle waters are perfect. By dowsing pure water inline the AirWell+ and its bottling plant can reproduce any designer water and even make it better.



**Product Quality**

AirWell+ produces high quality water, it is ideal for hospitals, schools and large campus. Having high quality fresh water readily available many of the beverages found in supermarkets could be produced at a far higher quality and for a fraction of the price.

**Saving on Resources and Landfill**

Over 10 Billion drinks and bottled containers were sold in Central, South Eastern Europe in 2011. Less than 3% will be recycled. Vending higher quality beverages from supermarkets at a local level and at lower obviates any impact of introducing deposits on drinks containers. Up to 11% of landfill volume can be accounted for from beverage containers

which are sold in supermarkets. Plastics for example are rarely recycled, however they are a major contributor to methane at the landfill as they trap and leach dangerous methane gas.

**The Payback**

100% renewable water projects can pay back in 3- to 5 years, it depends on the scale of the dispensing system, chiller and dowsing equipment. In West Africa and in the Indian Ocean SOLIDEA are providing AirWell+ for hospitals to ensure fresh water is always available with patient care.

**SOLIDEA participation**

SOLIDEA are renewable energy consultants and as well as developing investing and innovating we try to participate in education programs for renewable water and the synergies of water energy together or “Watergy”. We see Watergy as critical to the future and well being of mankind.

SOLIDEA is a Renewable Energy Company who develop utility size renewable energy projects and work with governments and large commercial organizations to find Renewable Energy Solutions with a Worldwide Reach