

AWE Atmospheric Wind Extractor Technology

THE wind energy and water production game changer

Utility-scale wind-driven energy production systems that also generate water!

Different and groundbreaking

- Never before in history has there been a renewable energy technology that successfully addresses both water and energy challenges that humanity is facing.
- At AWE, a clean technology company, we design, engineer and manufacture clean technology systems with the aim of offering the most efficient way to produce energy with the smallest possible environmental footprint.
- AWE technology is unique, combining atmospheric water extraction capabilities with the most efficient power producing systems. Simply put, a stand-alone AWE unit produces utility scale renewable energy & utility scale water, 24/7.
- Our team comprises seasoned professionals with technical, engineering & business expertise, to produce this Game-changing technology.

Compare WIND TURBINES to AWE: General Electric makes a 1.5MW turbine (GE 1.5sle), it's maximum capacity is 1.5MW if the wind is blowing between 27 and 56 mph. GE claims real world outputs range from 15-30%, however, estimates range to the lower end, and total capacity factor for EU-27 countries was 13% overall¹.

- **At a 20% capacity, it could take 10+ turbines to produce the equivalent electricity of 1 smaller scale AWE unit (Model 20). An AWE delivers power 24/7 – turbines do not.**

Compare SOLAR to AWE: Solar panels do not provide 24/7 power and the average generation is 5 hours of sunlight per day. Multiple rows of batteries (which need to be replaced continually) are required to facilitate a 24/7 output for solar.

- **It would require approx. 42,000 6' solar panels² (& between 7.5-12 acres)² to produce the equivalent power of 1 small scale AWE (3MW / model 20) - on .5 acres & Zero batteries for AWE.**

AWE Technology is NOT a different or new type of wind turbine.

The constant power output of the patented AWE technology is far greater than existing renewable technologies, and cheaper. It is a radically unique, efficient, and practical method of harnessing the power of wind. AWE devices store portions of the captured wind energy, allowing continuous generation of electricity which can be augmented to deliver increased power in peak demand times. It can be a primary source of electricity.

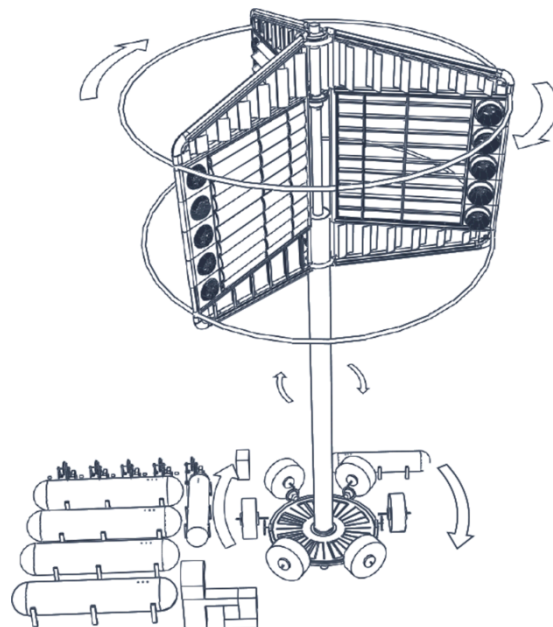
It is designed to operate and produce electricity in wind conditions as low as 2 mph. It can produce electricity in almost any condition, even with no wind for up to 14 days.

Water Generation

The AWE devices use air compression to extract water vapor and collect liquid water, then filter and treat the water collected to produce potable water for communities. Untreated water can be used for irrigation or industrial processing. AWE devices can store the water after processing for delivery to a water company pipeline or a nearby user.

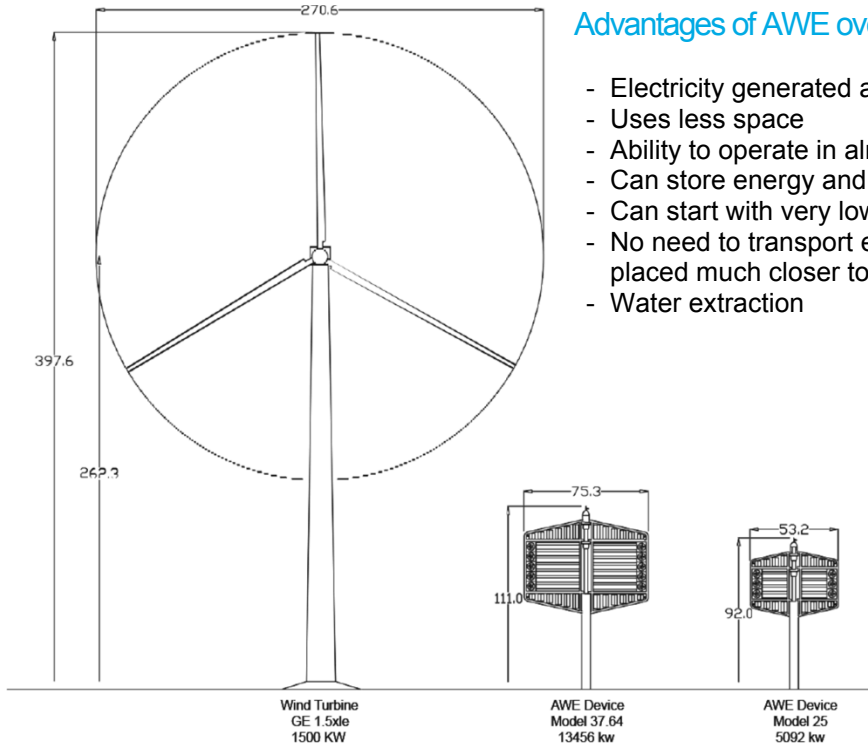
The process is not new and the technology is already commercial. What is new is the integration of clean energy production and water extraction. Existing water extraction technologies require energy. AWE generates that energy on its own, it's stand-alone, with no need for any other source of outside energy or fuel.

1. 1.5MW unit GE 1.5sle capacity outputs from Wind-watch.org
2. 42,000 6' solar panels from Solarmango.com / 7.5-12 acres from Quora.com



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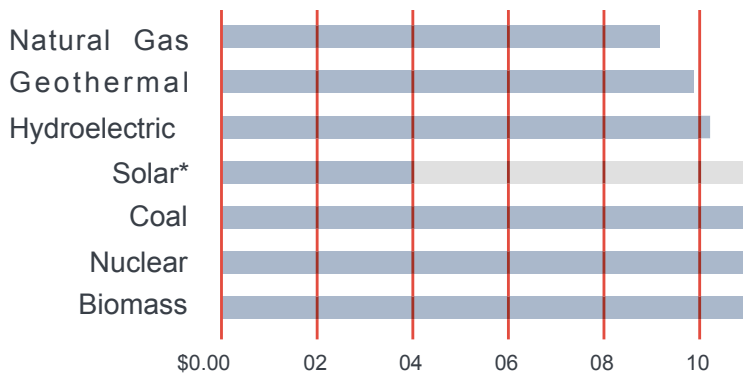
Advantages of AWE over wind turbine

- Electricity generated at a fraction of the cost of all existing methods
- Uses less space
- Ability to operate in almost all wind conditions
- Can store energy and generate electricity even when the air is still
- Can start with very low wind without kick-start energy
- No need to transport energy via miles of transmission lines, AWE can be placed much closer to where energy is needed
- Water extraction

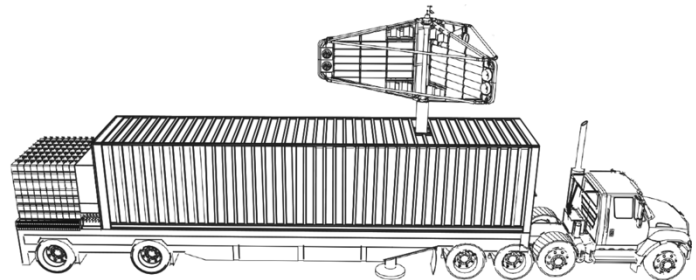
Advantages of AWE over solar

- Electricity generated cheaper than solar, despite falling prices in solar tech
- Uses far less space
- More ecological
- Much higher capacity rate
- Can store energy and generate electricity under almost all conditions
- No need to transport energy via miles of transmission lines, AWE can be placed much closer to where energy is needed
- Water extraction

AWE: electricity at the lowest cost



mobile units available in future (45ft containers, 375kW)



Expected delivery times when in production (delivery times will shorten as more systems are being built):

AWE Wind Driven Model 45C - .375 to .5 MW Portable Containerized Energy Device	5	Months
AWE Wind Driven Model 16 - 1 to 2 MW Energy Device	6	Months
AWE Wind Driven Model 20 - 1 to 3 MW Energy Device	7	Months
AWE Wind Driven Model 25 - 5 to 13 MW Energy Device	8	Months
AWE Wind Driven Model 37 - 13 to 48 MW Energy Device	10	Months

* Busbar costs, cents per kWh. Blend of data from various sources over last decade. Some technologies are becoming more attractive, like solar with pricing of solar reaching 4ct/kWh in some countries and under some circumstances. – See AWE business plan for more details.

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Current status and opportunity

Global Pilot Initiative

At this time, AWE Industries is rolling out its Global Pilot Initiative (GPI), strategically collaborating and developing international partnerships with which to execute and commercialize its patented systems around the world. From a commercial standpoint this represents limitless global opportunities on the largest scale, and from a Humanitarian perspective, it is quite possibly the greatest life-saving technology to have ever been devised in the last century.

Business model

AWE Industries, LLC are operators of their own systems. AWE units are not for sale, but will be distributed to efficiently generate high margins. AWE generates power at the lowest possible busbar cost, therefore, the immediate focus will be to sell the power through PPA's (to existing Municipalities, Utilities & Commercial users) and earning the difference between our production costs and the purchase price, creating higher yields. Because of some regional differences and regulatory constraints AWE has developed a flexible business model that will allow the company to operate and capture revenues everywhere in the world, under different schematics:

- Power generation under direct contract (PPA – Power Purchase Agreements)
- Power generation and sale of power to power companies - sub-contracting of PPA
- Lease of devices
- Sale of units (only in territories where company ownership of units is not possible)
- Joint ventures with power companies for multiple markets
- Sale of utility scale water & carbon credits

The market

Demand for renewables is growing fast, with the hope to represent over 50% of the total production of power globally within 2 decades.

On top of this increasing demand, the world is asking for cheaper power, reliable stable power, storage solutions & off-grid solutions for remote areas and specific sectors of the industry. AWE is addressing these demands and expects to capture a large share of the market, by competing against all renewable sources of energy as well as conventional fossil fuel production.

AWE in a few words

- energy producing and water extracting technology
- operates with winds as low as 2 mph/ 3.2 kmph
- can operate 24/7, on-Demand
- is scalable from (future planned) portable systems of 375 kW to the current larger systems of 1MW up to 48MW
- lowest cost per installed kW
- can be installed virtually anywhere power is needed, where water is needed - no restrictions like with other technologies
- over 80% of components are off-the-shelf
- applying known physics and technology in use for decades, the revolution is in the integrations of wind & water systems and optimization of energy production and storage
- In simple terms, this technology has the ability to save millions of lives around the world - every day, every year.

