

HYdroTop PUMP

Sustainably Sourced Water : Anywhere, Anytime, Any Height

SEANERGY
ELECTRIC

HQ: Haifa, IL

EST: 2008

IP: 2 families of green patents
–USA, Israel & International

Markets (TAM 25B\$ annually)

- Water & Waste Utilities
- Energy Utilities
- Agriculture corporates
- Manufacturing faculties

*Business model will vary accordance to the industry

FOUNDER:



Shlomo Gilboa

Green energy innovator with a set of golden hands and the founder of Seanergy Ltd.

PROBLEM- The world's demand for available water supply keeps rising traditional pumps are inefficient and expensive, especially when **raising water** to higher grounds.

SOLUTION- **HydroTop**, our new innovative, patented physical pump utilizes classic scientific principles combined with state of the art engineering. Thus creating a revolutionary new method to lift a large volumes of water to any high head.

HydroTop's working principles portray a perfect balance between different physical forces to gain maximal flow rate to high head with minimum resources – **by that gaining SAVINGS OF UP TO 54% of energy needed to operate an equivalent generic pump size.**

TECHNOLOGY- The **HydroTop** pump consists of an upstream water route with "**reverse gravity**" **chambers and tanks** driven upwards. A unique valve system is orchestrated perfectly to create an extremely efficient mechanism different from any commercial and conventional pump, with a **fraction of the electricity consumption.**

After years of development, research, scientific approvals and testing of the POC, **HydroTop** is ready for the next commercializing phase.

- ✔ Easy to deploy
- ✔ Reduced carbon footprint
- ✔ Maintenance free
- ✔ Minimal rotating elements
- ✔ Scalable & adjustable

Performance comparison table:

(conventional water tower), Volumetric flow rate: 1 m³/min

Head (Meters)	Conv. Pump Consumption	Hydrotop consumption	Savings (%)
10	1.64	1.16	29%
20	3.27	2.26	31%
30	4.91	3.19	35%
50	8.18	4.74	42%
100	16.35	7.52	54%

*Simulation

USE CASES

On Going National And Municipal Water Supply



Pumped Hydro



Water & Electricity For Off Grid Communities



Remote Agriculture Services



And many more...

OPPORTUNITY

We Are Looking For The Right Partners That Will Join This Exciting Revolution:

Seed funding to complete first commercial pilot and build future market

Technical and/or design partners, in order to build a full scale commercial scale HydroTop pump

Contact Us Via

✉ Sgilboa@seanergy.co.il
☎ +972-522-531-730