Solar Pond Water + Power	**Inventor + German University**
Target	The target is to build a demo-plant in 1:1 scale on a desert sea-shore. The plant uses ponds to heat seawater, the water drives a low-pressure steam turbine, producing drinking water and electricity.
Long-term Perspective	The proof of concept in large scale opens the way to selling such plants or to operating contracts to deliver power and water.
Sum of Investment	Smallest version from 700.000,- EUR up to 3-5 millions (to use economies of scale (without land))
Procedure	1) selection of suitable location 2) contracts with takers of water and power 3) installation and commissioning 4) optimization 5) operation, feeding in electric power and selling the water
Participation	SGC can take a participation in supplier or operate as project owner
Majority Owner	SGC
Additional Shareholders	Management, maybe research partners or suppliers. In Arab countries State Funds may be needed as partners.
Technical / Scientific Support	German and EU Universities; involving international water agencies or research institutes is possible.
USP	Large-scale use of renewable energy that makes sense in hot and arid countries. Combining production of water and energy allows different operation strategies.
Market	Sunbelt-countries worldwide, where land is flat, arid and low-cost. Major customers will be OECD- and oil-countries plus large land-developers and industrial complexes.
Competition	No direct competition. RO-desalination uses massive energy input, does not produce power.
Technical Status	Components and machine parts are standard. Low-pressure steam turbines are also standard. Combination with agressive saltwater is solved theoretically. Full concept must be proven under supervision.
Risk	Risk in selecting the right materials (corrosion) and risk of price effect of expensive inox-steel etc.

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Exit-variants	Sell-off, IPO, industrial or financial investors, conversion to sales company for solar ponds.