Thrust Kinetic Power Plant

ROSCH INNOVATION AG

Leading Technology Solutions



Rosch Innovations AG aquires new property for inhouse technology institute

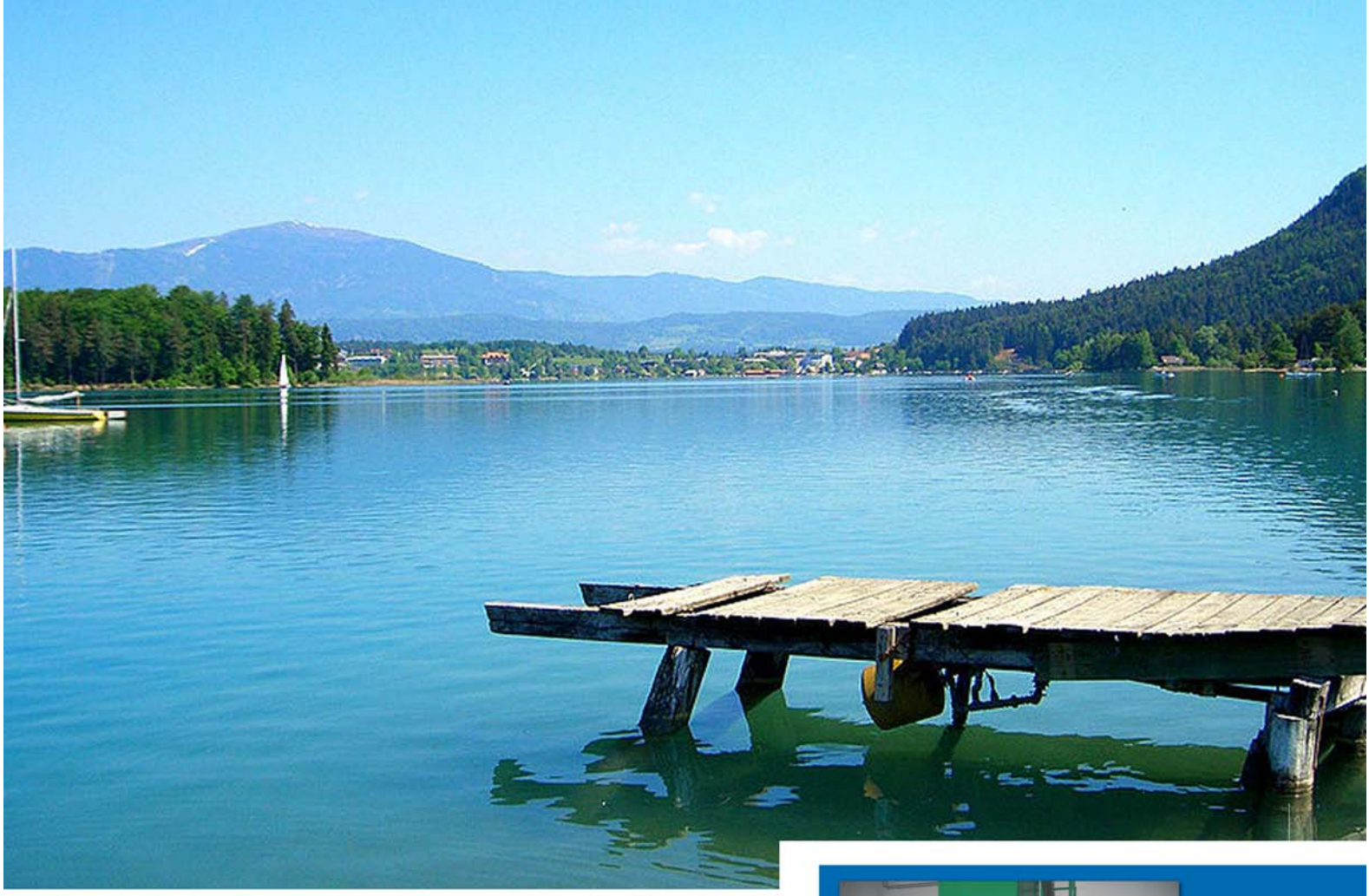
Rosch Innovations AG accelerates the expansion of its research and development department in Serbia.

By now the departments' current premises turned out to be too small.
To assure a long term solution for further expansion Rosch AG aquired an exclusive property in Belgrad on 14th of September 2012.

The new location provides a total of 1200 sqm office and work space across three floors. Effective floor space includes huge production halls for construction of smaller power plants destined for decentralized usage by private customers and SMEs.

The building adjoining the main complex serves as guest house for Rosch customers, who come visit to experience the production process live. .

Serbia is the location of our subsidiary company Rosch Technologie D.O.O. It is here, where engineers, scientists, and technical experts research the new and further development of Rosch patents. It is the place, where we think outside the box and create tomorrow's innovative technologies.



We power you with new energy - pollution free!

Rosch AG is an incorporated company located in Switzerland with headquarters in Amriswil (canton Thurgau).

Its corporate purpose is patent development and realization and it exists since 2011. We carry out this process very differently from what we commonly see in how inventors do it: we put a lot more emphasis on commercialization and efficiency. Our technology center with a team of 20 colleagues, based in a beautiful landed property comprised of 1300 sqm of office space and shop floor is a beneficial resource.

Here you can visit our prototypes and have a tour with our expert engineers. Current projects that we consider ready for public announcement are listed in the table below. They are presented according to their development stages.

Our capital stock has been fully contributed. We aim for a significant increase in capital and issue registered shares. Furthermore, we plan to realize capital assets amounting to 10 Mio € with our principal shareholders. Real estate in Serbia and Germany as well as existing patents and prototypes add to this.

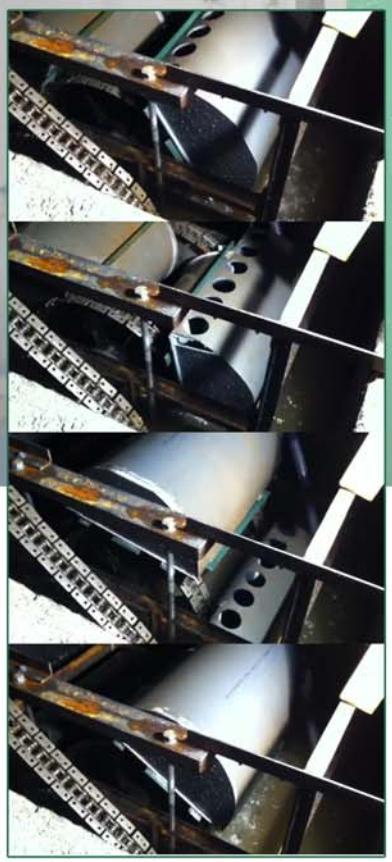
















Prior to Rosch Thrust Kinetic Generator engagement, the well containing chambers (floats), has to be filled up with water.

The device gets started by "START" - button on the command el. cabinet. The PLC (programmable logic controller) turns on the air compressor that only after several minutes gains necessary "operating pressure" within reservoir.

The PLC further detects the pressure within reservoir via probe and opens electro-motorized pneumatic valve. Once the valve is opened the comprised air enters the pipe and goes to the bottom of the well where it pumps the water out of the lowest system chamber (float).

Under influence of Archimedes Law this chamber (float) gains thrust toward the top making entire system rotate in the circle clockwise.

In the moment when the next chamber gets in the lowest position of the system the mechanic valve of the pipe that distributes comprised air from the compressor reservoir connects onto chamber valve. As soon as the connection is made the chamber gets filled with compressed air, as well as every other coming one after another generator as well.

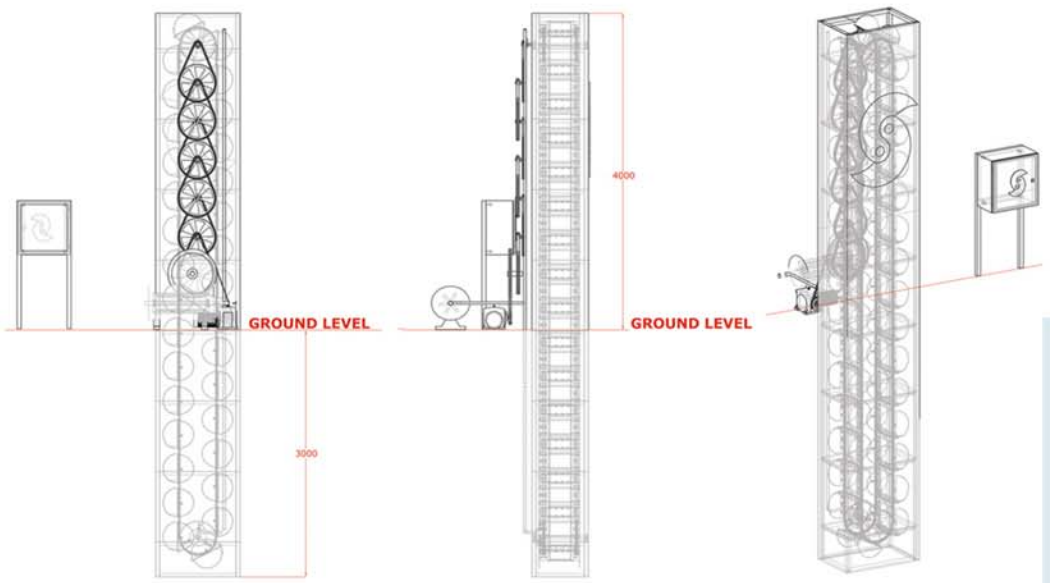
A certain number of rotations should be obtained for the precise generator performance, which will result with full and stable voltage of 3x380V with stable frequency of 50 Hz.

Only when the full speed is obtained the PLC engages the consumers on to generator via three-phase switch. The measurement cabinet contains sound and visual indicators of device performance as well as instruments for measuring inter-phase voltage, voltages between each of three phases and ZERO, the current strength by phase as well as frequency of exiting voltage.

The six water heaters of 2kW each are connected as consumers, they are submerged into water using in total 12kW.

The above described proves the Rosch patent principals valid, or in other words used 4,2kW to supply three-phase air compressor ensured mechanical movement of the entire mechanism and secured kinetic energy that gained 12kW after being converted into electrical three-phase energy.
More precise technical information we do not provide due to patent secrecy. Blueprints, performance simulation or video that shows our device in function, you may find at our website:

ROSCH Kinetic Power Plant
How it works



ROSCH THRUST KINETIC GENERATOR consists of one well (6m depth) filled with water wherein the plastic chambers (floats) are submerged and connected to a transporting system.

Transport system to which the chambers (floats) are connected serves to direct their movement from the top to the bottom of the well and reversably in a circle.

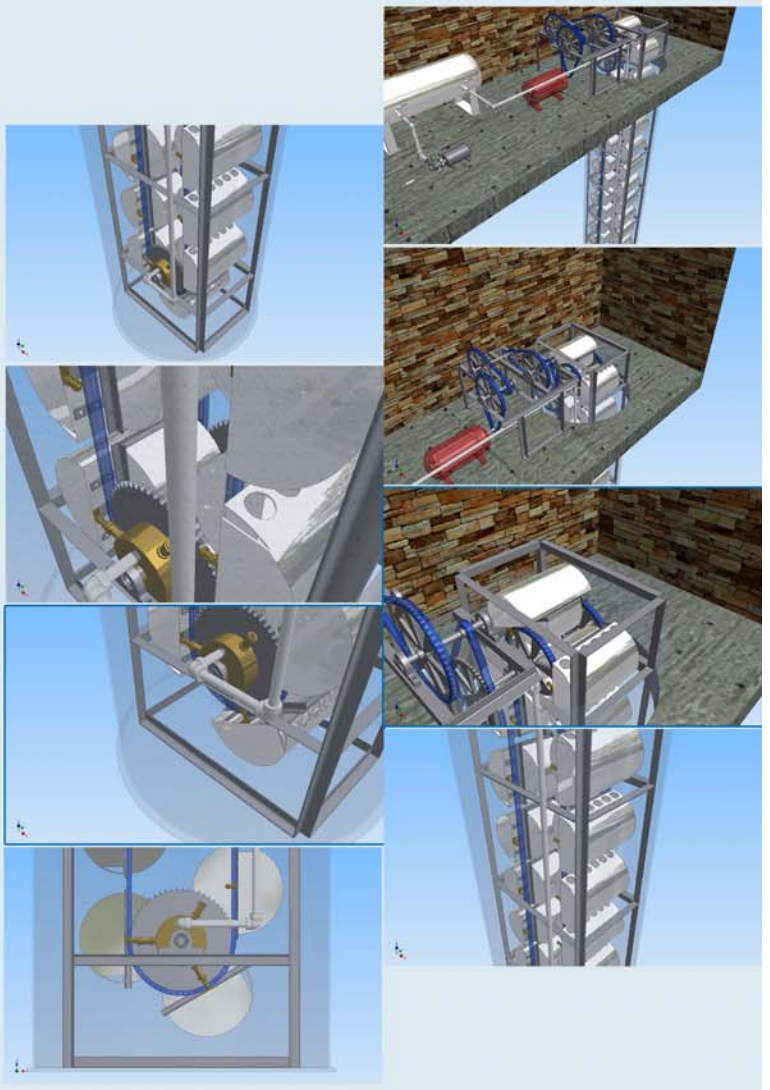
The plastic chambers (floats) contain automatic valve that connects to a pipe valve that brings the air form the compressor at the bottom of the well, and on the top of the well the compressed air discharges and the water gets pumped in.

The three-phase air compressor of 4,2kW files up the reservoir (bottle) with compressed air, the compressed air gets further distributed to the plastic chambers (floats) within well.

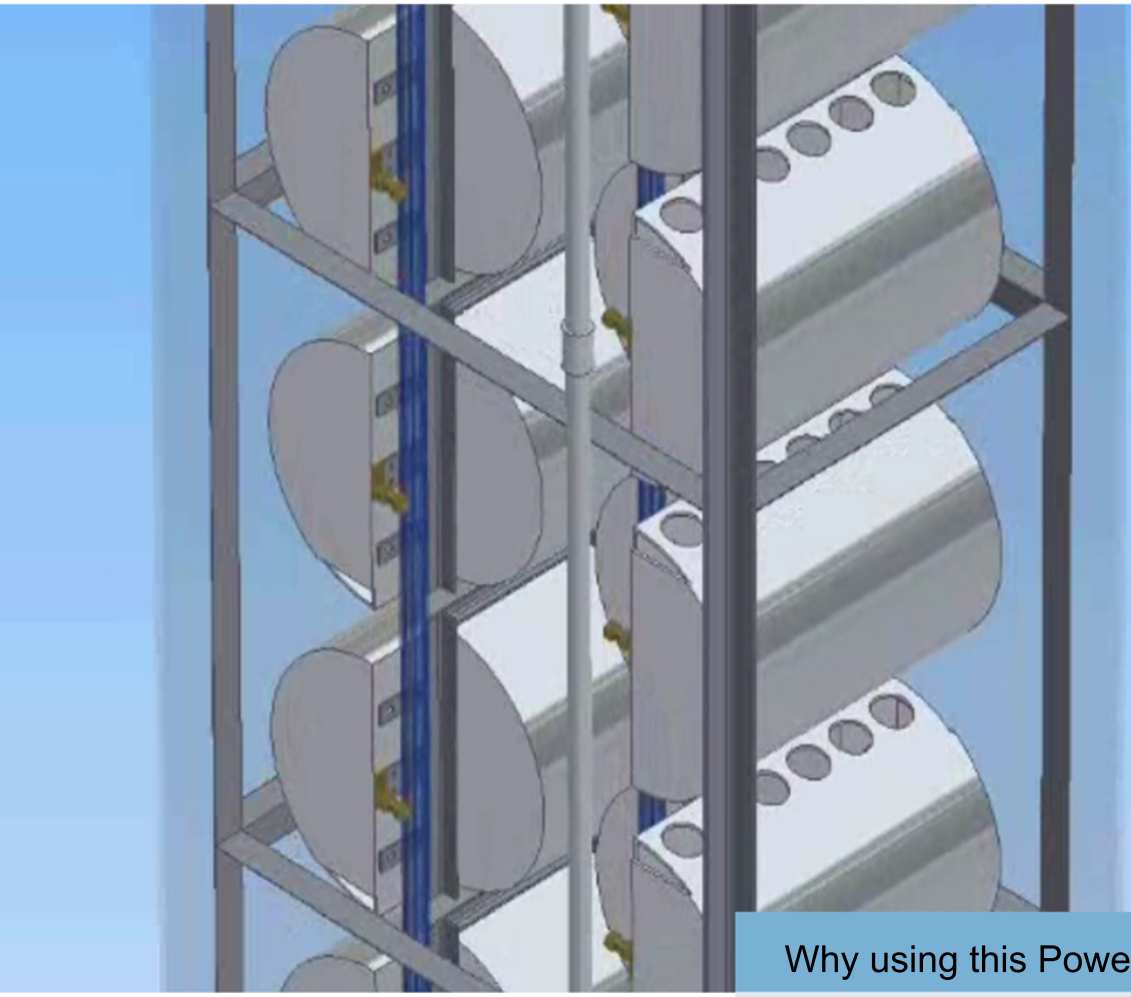
The Command el. cabinet with PLC (programmable logic controller) conducts measurements of electric power used for compressor operation as well as for the control and managing of the entire system.

The Measuring cabinet conducts measurements of electric current gained on the generator as well as consumption of attached consumers.

The three-phase generator of electric energy is derived in an newest technology with neodymium magnets, and with assistance of transferring system(multiplier) coverts mechanical rotary movements into AC electrical energy 3x380V/50Hz, which further distributes to consumers.



ROSCH Kinetic Power Plant
These are the facts



How does the KPP work?

ROSCH THRUST KINETIC GENERATOR consists of one well (25 m depth) filled with water wherein the plastic chambers (floats) are submerged and connected to a transporting system.

Transport system to which the chambers (floats) are connected serves to direct their movement from the top to the bottom of the well and reversably in a circle.

The plastic chambers (floats) contain automatic valve that connects to a pipe valve that brings the air form the compressor at the bottom of the well, and on the top of the well the compressed air discharges and the water gets pumped in.

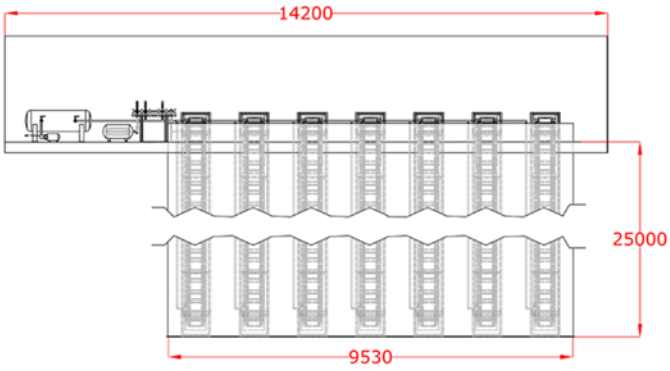
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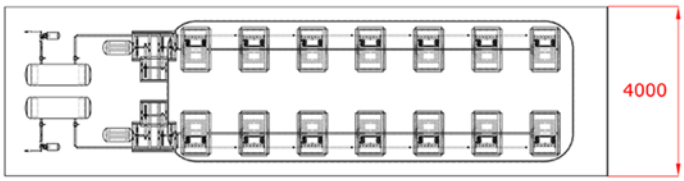
Why using this Power Plant?

- generating high profit
- producing electricity for 6 eurocents
- 100% ecological, no emissions of CO_2 or NO_x
- no fuel, Diesel, gas, sunshine or wind needed
- very low running costs
- perfect for countries without steady power grid
- return of invest is feasable in a short time period
- easy to expand, if needed

ROSCH Kinetic Power Plant
Technische Daten

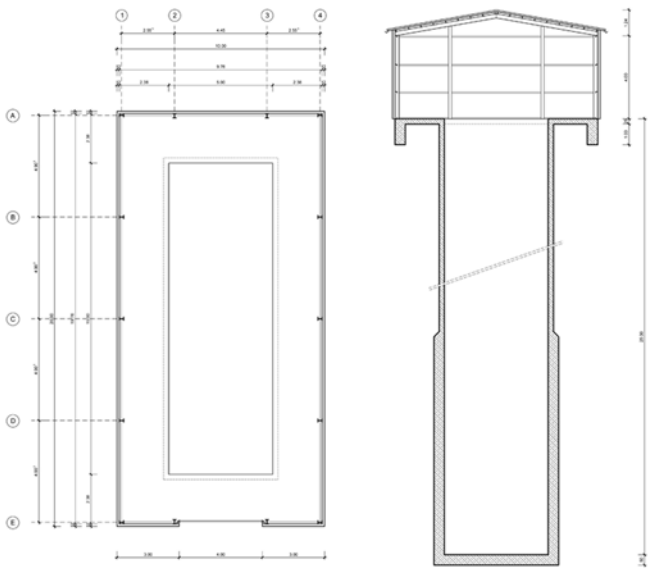
	KPP- 5 1 Modul	**KPP- 40** 8 Module	**KPP-100** 20 Module
Gesamtleistung	5 MW	40 MW	100 MW
Kraftwerkstyp	Auftriebskraftwerk	Auftriebskraftwerk	Auftriebskraftwerk
Nennleistung	5 mW /h	40 mW /h	100 mW /h
Leistung pro Block	500 kW	500 kW	500 kW
Anzahl Kraftwerksblöcke	10 + 4	80 + 32	200 + 80
Anzahl Generatoren	7	56	140
durchschntl. Jahreserzeugung	43.200 mW	345.600 mW	864.000 mW





Abmessungen	KPP-5	KPP-40
Die Kraftwerksblöcke werden in einem wassergefüllte Becken unterirdisch verbaut.		
Höhe über Erde	2,5 m	2,5 m
Höhe unter Erde	25 m	25 m
Gesamthöhe	27,5 m	27,5 m
Breite lange Seite	18 m	6 m
Breite kurze Seite	63 m	18 m
Becken	1 Stück	8 Stück
Beckenmaaße (L x B x T)	9,5 x 4 x 25	9,5 x 4 x 25
Beckenmaterial	Spritzbeton	Spritzbeton

Technische Überwachung	KPP-5	KPP-40
Instandhaltungsvertrag	Verschleißteiletausch	
Serviceintervall	1x / Jahr	1x / Jahr



Transport und Montage	KPP-5	KPP-40
Bauzeit / Lieferzeit	6 Monate	6 Monate
Anzahl Kontainer (40 Fuß)	6	
Einzelkontainer	2 x 8t	
	2 x 20t	
	2 x 25t	
Versandgewicht (inkl. Kont.)	129,4t	
Inbetriebnahme	6 Monate nach	Bestellung

Contact Us
Innovations made by Germany



ROSCH INNOVATIONS Deutschland GmbH
Hauptstraße 53
53567 Asbach
Germany

Phone: +49(0)2683 - 9478 555
Fax: +49(0)2683 - 9478 551
info@rosch.ag



www.rosch.ag

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