

A Comfortable Advantage



ZUMA-CENTRAL HEATING INTEGRATION.



LÖSUNG
Nothing But The Best

Our Company

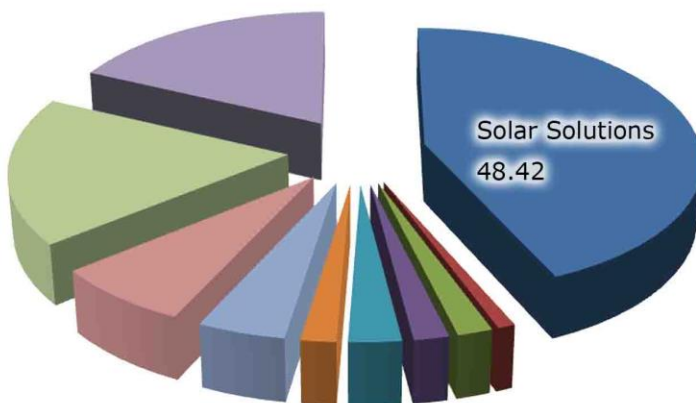
Established in Canada, Lösung is a world leader in the design and manufacture of solar thermal vacuum tube system. The unique design of our system uses vacuum technology to ensure the most effective transfer of energy into heat.

Lösung solar system has extra performance in comparison with a traditional flat plate collector **المرايا** , providing heat not only in warm, sunny days, but also in cold, windy or humid conditions. Lösung has two hi-tech plants in China and the headquarters is in Montreal ,Canada.

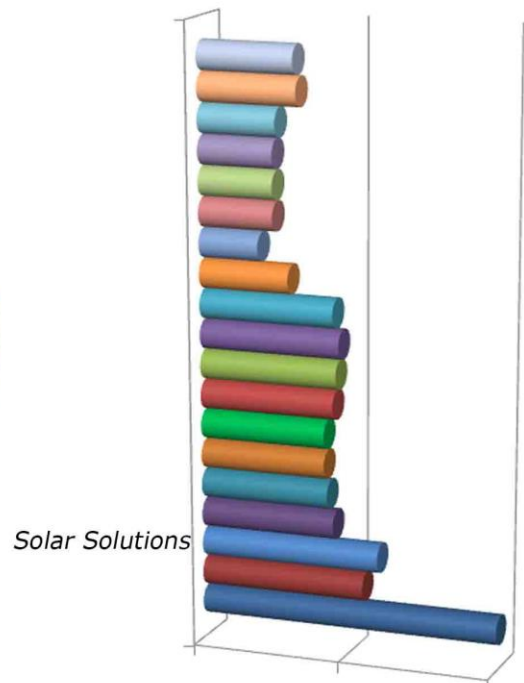
Lösung products are reliable and durable. The Factory is certified to ISO9000-2000 standard and all products have the best approval (European& American Certification).

Focus and investment in Research and Development means that Lösung is consistently innovative. This is complemented by a highly skilled and efficient workforce, ensuring a perfect product in performance, quality and service.

Lebanese Market Share



Top 10 solar dealers in the Bekaa



Installed systems in Lebanon

Figures According to



Winner in Solar System Category
دراسة إحصائية مستقلة أجريت من قبل شركة
IPSOS على عينة ١٢٠٠ مستهلك لبناني



"We suffered a lot before installing the LOSUNG solar system, solar energy was able to solve this problem. It provides hot water constantly, we can no longer live without our solar systems."

Al-Nasira Hospital (G.M: Dr. Khaled Al-Fased)

Often imitated, never duplicated.

ZINTECH **Outer Shell**

Zinc-titanium
rolled sheet

- Anticorrosion
- Maintenance free
- Long life
- Attractive appearance

Unique Stainless Steel SU-316-L

Austenitic Type SU-316-L (chromium-nickel stainless class) . SU-316-L containing 2%-3% molybdenum (whereas 304 has none). The inclusion of molybdenum gives SU-316-L greater resistances to various forms of deterioration.

The tank will never leak in any water condition.

Gold Vacuum Pipe

The vacuum that surrounds the outside of the tube greatly reduces convection and conduction heat loss to the outside.

Gold pipe achieve greater efficiency than flat-plate. المرايا

PUF German **Bayer Polyurethane**

PUF(polyurethane foam) highest density insulation layer in the world, suitable for high altitude areas , sandwiched structure keeps a stable temperature up to 72 hours.

Protect water from freezing

LOCLITE Big Foot

The strongest, most intelligent anti-slip foot, it stabilizes the system & protects the roof membrane from any damage.

LOCLITE anti water leak.

MICRoLaX Coated Rack

MICRoLaX produces a superior chemical corrosion resistance, eliminates color fading.

MICRoLaX is an excellent alternative to stainless steel, plastic and other materials.

LÖSUNG is at least a generation ahead of all solar heaters

What is ZUMA-CENTRAL ?



Works on:



Solar



Electricity



Oil

NO Chaudiere Needed

Hot enough for Canadian Winters

Zuma-Central will keep you comfortable during the coldest winter days and nights.

Compared to other means of heating, vacuum pipes are very efficient, but only as long as outside temperatures stay warm or no cloudy days.

Thankfully, Zuma-Central is specifically designed for Canadian winter, so you get the benefits of the vacuum pipes all the way to -30°C and beyond.

The secret behind Zuma-Central



Zuma-Central provides you high-heating performance, even under extremely low outdoor temperatures. Thanks to our efficient and exclusive gold vacuum pipe (V2G) technology.

In addition, the unique absorber mechanism provides an extended period of continuous heating all day long, and maximizes the heating time required. Proving yet again that Zuma-Central is one of the most efficient system on the market.

**HEATS
EVEN AT
 -30°C
AND BEYOND**



Conserve and keep your hot water ready

Thankfully to our stainless steel tank 316-L, it reduce your heat lost while keeping more money in your pocket.

The Zuma-Central system use the best insulation for our tank on the market which not only benefit your saving, but translates into better overall performance than traditional tanks.



Plus, with ST-Coil technology Zuma-Central is able to transfer heat from collector with the minimum lost possible on the market. So you pay for the energy you actually use for your main heating source.

An option for every home

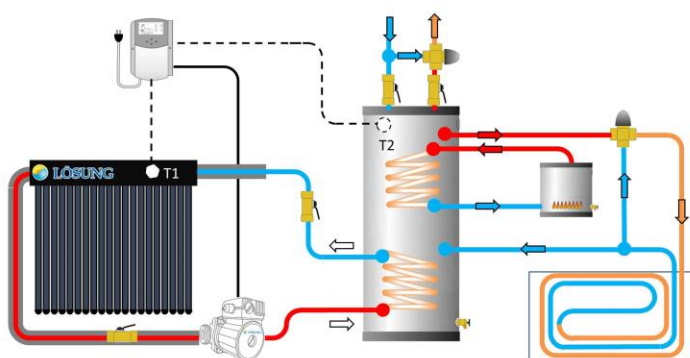
Zuma-Central+ has you covered in those rare instances when extreme temperatures hit the air. It can be equipped with your choice for an auxiliary Electric Resistance Heater or Oil Burner for floor heating, space heating that operates simultaneously with Zuma-Central+ only when additional heat is needed. So even during the coldest days, your Zuma-Central+ package is still pumping heat indoors with the superb efficiency that only Gold Vacuum Pipes can offer.

Please ask your local dealer which option best meets your requirements.



Zuma-Central+ Floor Heating

Include a Lösung smart controller which will notify of malfunctions by error codes.



Package 1

Connectable to auxiliary Electric Resistance Heater

Package Includes:

- Zuma-Central Collector
- Zuma-Central Smart Controller
- Zuma-Central Stainless Steel Tank
- Optional Electric Resistance Heater 1.5kW/3kW

Package 2

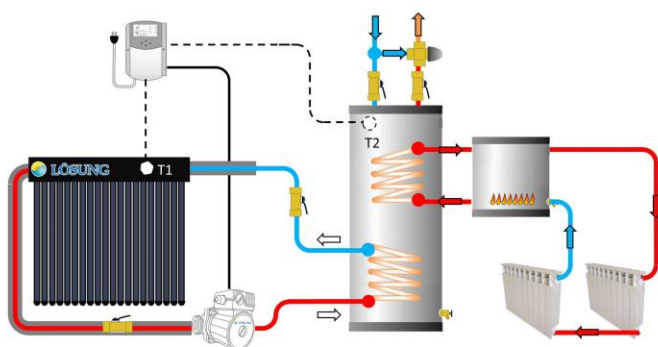
Connectable to auxiliary Oil Burner

Package Includes:

- Zuma-Central Collector
- Zuma-Central Smart Controller
- Zuma-Central Stainless Steel Tank
- Optional 3 Way Valve

Zuma-Central+ Space Heating

Include a Lösung smart controller which will notify of malfunctions by error codes.



Package 3

Connectable to auxiliary Electric Resistance Heater

Package Includes:

- Zuma-Central Collector
- Zuma-Central Smart Controller
- Zuma-Central Stainless Steel Tank
- Optional Electric Resistance Heater 1.5kW/3kW

Package 4

Connectable to auxiliary Oil Burner

Package Includes:

- Zuma-Central Collector
- Zuma-Central Smart Controller
- Zuma-Central Stainless Steel Tank
- Optional 3 Way Valve

Zone Control



Control the heating in different area of your home

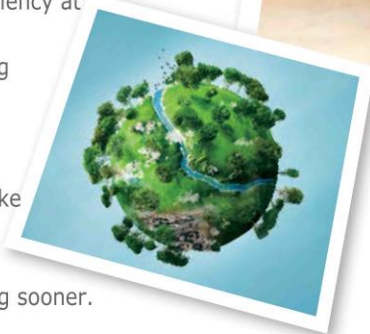
Zuma-Central's Zone Control divides a home into multiple "application" and allows each application to have a customized level of comfort. Each application has separate thermostat to control the circulation pump, hot water temperature, and the heating comfort level, close or adjust its operation as needed while Zuma-Central matches its output based on each zone's demand to maximize energy efficiency.

Geothermal alternative

While geothermal systems make the most of energy efficiency, the costs of installation can act as the main drawback. Installation will certainly require some excavation, digging trenches for piping and site surveying.

Zuma-Central offers superb energy efficiency at only a fraction of the installed cost of a geothermal system by simply integrating with your home's ductwork.

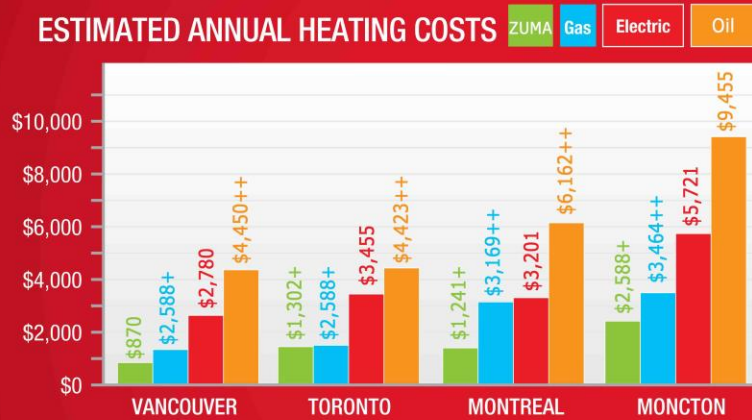
And while a geothermal solution may take months to complete, Zuma-Central can be set up in your home much faster- so that you can start enjoying the saving sooner.



 **LÖSUNG**
Nothing But The Best

High performance. Low energy bills.

ESTIMATED ANNUAL HEATING COSTS



Estimated Annual Heating Costs for a typical 2,500 sq.ft.house.**

60%

Save up to
Annually over conventional
Heating and cooling systems

Coefficient of Performance (COP) is a standard measurement that shows how much energy you get out of every unit of fuel input. The higher the number, the more you save on your utility bill.

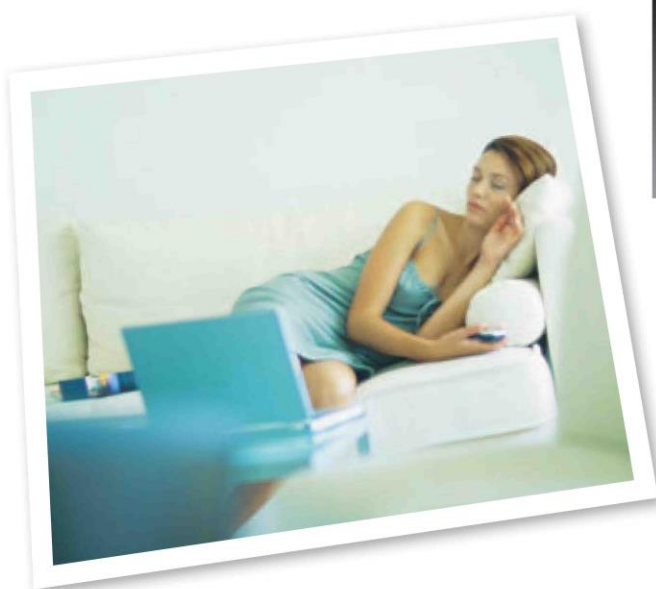
COP	ZUMA	Gas	Electric	Oil
	1.4 - 3.19	0.95	1.0	0.95

Even the most efficient gas or oil furnaces provide a COP of only 0.95. and for electric resistance heaters. Their COP is only marginally better at 1. Zuma-Central's COP ranges from 1.4 to 3.19. it actually gets even more efficient as outdoor luminosity increase!

With the continuing trend of gas prices being higher than electricity, Zuma-Central makes even more sense as your truly economical choice for today and the future.

Tiny footprint, massive improvement

The Zuma-Central outdoor unit measures only 15cm thick which sits perfectly alongside your exterior roof and takes up less of your valuable patio space than a traditional solar water heater. Meanwhile, the indoor Tank Unit is smaller than an oil furnace, and fits right onto your existing ductwork.



No louder than a mild rainfall

You may not even realize your Zuma-Central system is hard at work keeping temperatures steady and bringing you home comfort. Our advanced technology ensures super-quiet units that work vibration-free.

Zuma-Central is the better way to provide year-round heating comfort.

Made for Canada, this easy-to-install, money and space-saving system will forever change the way you experience space & floor conditioning.

Collector Model	CLT-NP-316-N-50
Number of vacuum tubes	50
Tubes dimension (mm)	58 x 1800
Collector dimensions (m)	3.85 x 2.2
Area in (m ²)	8.47
Absorbion area (m2)	4.7
Inner collector material	Stainless steel, SU316-L
Heating capacity(daily)	Up to 500 L
Volume of water inside the collector (L)	180
Weight of collector full of water , approx(KG)	250
Maximum capacity in (Kw/day)	17
Daily Diesel saving (approx)	2L
Absorption coefficient:	> 0.93
Freeze Proof:(°C)	> - 30

**3 YEAR
LIMITED
WARRANTY**

For over 8 years. Lösung has been a leader in the design and manufacture of reliable, high- quality solar equipment. Both for the consumer market as well as for corporate and industrial customers. Our commitment to innovation and technology is exceeded only by our commitment to service – we stand behind every product that bears the Lösung name. beyond our standard 3-year limited warranty, all Zuma-Central systems installed by an Authorized Installer will receive an upgrade to an extended 3 year warranty, it's just one less thing to worry about.

**For more information or to locate a local dealer
please call 78-887987**



Winner in Solar System Category
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IPSOS على عينة ١٢٠٠ مستهلك لبناني



**Contact us now for further information
on solar hot water for a brighter future**

Call: 78-887987