

## Solar Water Heating For Large Projects

### Viability

Minimal risks and payback time as soon as 2 to 3 years, make solar water heating a viable solution for your company.

### Reliability

With more than 300 days of guaranteed hot water from your solar system, Techno-solar water heaters are of great reliability.

### Savings

A well known fact is that most of the energy bill of a hotel comes from its heating/cooling equipments, this makes solar water heating the best solution for cutting costs this is due to its ability to save up to 80% on your water heating energy bill.



- Solar water heating is a viable solution for almost anywhere hot water is needed.
- Simplicity, effectiveness and reliability are the reasons why solar energy is the best solution money can buy.
- Widely used in hotels, motels, gyms, restaurants, households, laundries...
- You are not just saving huge amounts of cash for your company, but you are also capitalizing on the idea that your business is turning green.

As economic conditions become tighter, it is more important than ever for companies to take advantage of every opportunity to lower their operating costs and differentiate themselves from their competitors. A Techno-Solar solar thermal system is the perfect investment to do both.

Hotels and resorts have very high operating costs. And, one of the largest chunks of these operating costs is hot water use. At every hotel and resort around the world, hot water is used for cleaning, laundry, and providing guests with the ability to take hot showers and groom as needed or desired. However, as the prices for traditional fuel sources, such as electricity, propane, natural gas and oil continue to rise, Hotels and Resorts must begin to look for ways

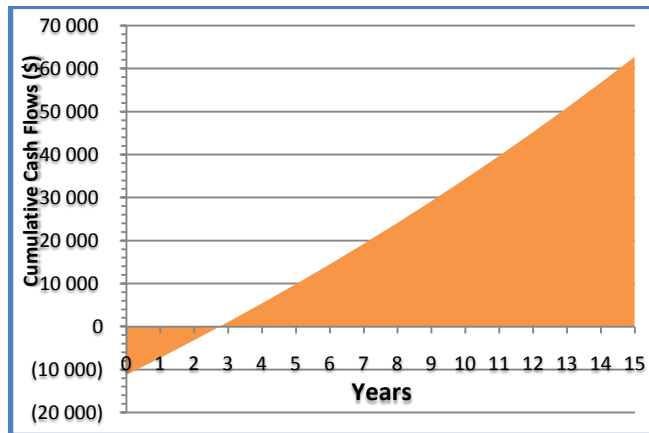
to cut these costs in order to maintain profitability, without passing tremendous price increases on to their customers.

Techno-Solar Solar Hot Water Systems allow hotels and resorts all around the world the opportunity to lower their water heating costs, saving hundreds, or thousands of dollars a year in operating costs. This money can then be reinvested into other aspects of operation, including marketing, additional staffing and growth, or to develop new amenities to offer guests.



## Solar Thermal System Estimate

Business Type	Hotel	Yearly Cash Flows		
Location	Beirut, Lebanon	Year	Amount	Cumulative
Rooms	50	#	\$	\$
Hot Water use/day	2000 Liters	0	-11295.6	-11295.6
Hot Water Temperature	60	1	3980.841	-7314.76
Solar Collectors	Techno-Solar M-series	2	4100.267	-3214.49
Number of collectors	14	3	4223.275	1008.783
Energy Delivered	36.66 MWh/Yr	4	4349.973	5358.756
Solar Fraction	64%	5	4480.472	9839.228
Lifetime	15 years	6	4614.886	14454.11
		7	4753.333	19207.45
		8	4895.933	24103.38
		9	5042.811	29146.19
		10	5194.095	34340.29
		11	5349.918	39690.2
		12	5510.416	45200.62
		13	5675.728	50876.35
		14	5846	56722.35
		15	6021.38	62743.73



## Installation and maintenance

Techno-solar collectors have very little intrusion on the existing buildings; its unique design both beautiful and effective and its light weight aluminum chassis make it a very nice addition to your institution rooftops.

Another advantage is the lack of maintenance required for the solar water heating system that has a lifetime of more than 15 years.

### SERVICES AVAILABLE

- Technical Support
- Installation and Setup
- Maintenance
- Guaranteed Warranty



Gebbara Bldg, Zouk Mosbeh, Lebanon.  
Tel/Fax: 09/220491/2  
E-mail: sales@technosystems-lb.com

Lower operating costs

Increased profitability

Increase sales and customer loyalty

Increase local media coverage.

Reduce dependency on fossil fuels & carbon footprint.

For more information on any of our products or services please contact t us on:

Tel: +9619220491

Fax: +9619220492

E-mail:  
sales@technosystems-lb.com