

SOLAR PANEL



SOLAR+PV



SOLAR STRIP



Sunbather®
SOLAR
POOL HEATING
& COVERS



COVERS
& ROLLERS

SUSTAINABLE POOL HEATING SINCE 1974



SOLAR IS THE ONLY INTELLIGENT AND RESPONSIBLE CHOICE.

THE ENERGY CRISIS IS VERY REAL - AND IT'S HERE TO STAY!

HOWEVER, IT WON'T AFFECT YOUR POOL HEATING COSTS IF YOU HEAT WITH SOLAR POOL HEATING.

UNLIKE FOSSIL FUEL HEATING, THERE ARE NO MASSIVE ENERGY BILLS. THE HEAT ENERGY IS CHANNELLED STRAIGHT FROM THE SUN INTO YOUR POOL.

SO YOU WON'T HAVE TO BURN MONEY TO HEAT YOUR POOL!

Electrical energy is now very expensive. So heating that huge volume of cold water in your pool with an electric heat pump makes no sense.

SOLAR is powered by the Sun. The heat energy required is supplied free by the Sun. The controller and pump need very little electricity, so it costs almost nothing to run.

HEAT PUMPS are powered by electricity. And quite a lot of it. So, forget the complicated rationalisations being offered. The evidence is clear and unequivocal: heat pumps are VERY expensive to run.

In the eastern states, the average of running costs for a year makes that clear:

HEAT PUMP: \$3019 p.a.

SOLAR: \$132 p.a.



YOU CAN DOUBLE SUMMER USING THE SUN'S FREE ENERGY.

In all Australian states, research shows that, by channelling the Sun's free heat energy straight into your pool, a Sunbather solar pool heating system will virtually double the swimming days per year and the swimming hours per day, thereby doubling your summer fun and the value you get from your investment.

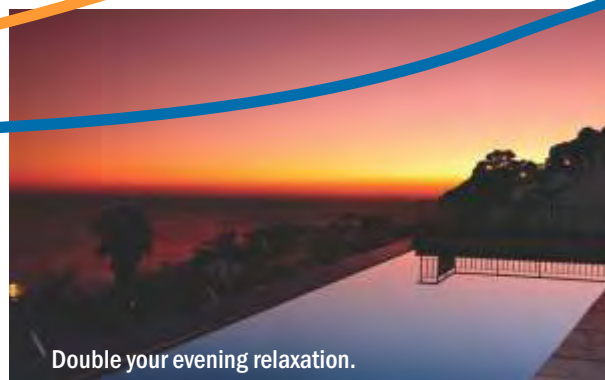


Double the children's fun.

TEMPERATURE CURVE
ON A POOL WITH SOLAR

JULY

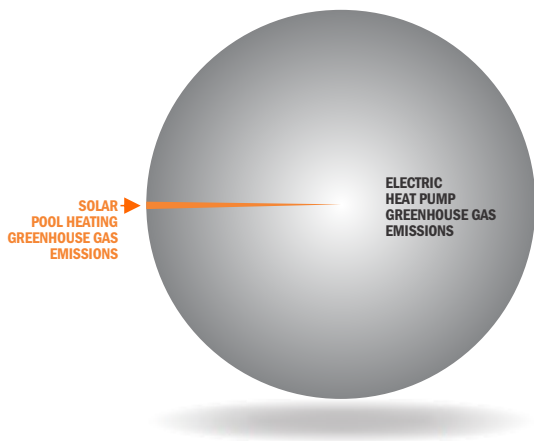
TEMPERATURE CURVE
WITHOUT SOLAR



Double your evening relaxation.



Double the morning exercise.



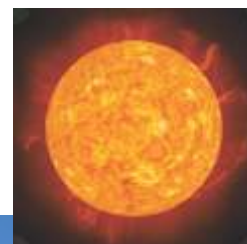
HEAT YOUR POOL NOT THE PLANET!

Solar pool heating has almost no carbon footprint.

Heat Pumps run on electricity and 80% of Australia's electricity is generated by burning fossil fuels.

In fact, **HEAT PUMPS** generate 234 times more greenhouse gas than solar pool heating!

Statistics are based on established figures for Hot Water Service Greenhouse Gas Contributions.
Gavin Gilchrist - "The Big Switch" 1994 & Swinburne University Solar Training Manual 1998.



SOLAR ISN'T JUST EFFICIENT - IT'S BY FAR THE MOST POWERFUL POOL HEATING TECHNOLOGY.

The Sun is the most powerful object in our solar system. It is the ultimate power source!

That's why solar is the most logical, contemporary and responsible pool heating option. On a sunny day, a Sunbather solar system will produce **FOUR TIMES THE HEAT ENERGY** of a heat pump or gas system.



Double teenage fun at home.



Double pool parties.



Double your health and fitness time.

SWIM WHEN YOU FEEL LIKE SWIMMING.

When the Sun shines, people want to use their pool. But more than half the time the water is too cold. Solar is perfectly in tune with the Sun. When the Sun is warming you and you feel like swimming, it's warming the pool as well.

JUNE





Pools can use a lot of energy if not heated with solar. If you install Photovoltaic electricity panels on your roof and expect them to heat your pool by substituting an electric heater, you will forever be disappointed. Keep it simple. Use electricity panels to power your “essential” home needs, and solar pool heating to heat your pool.

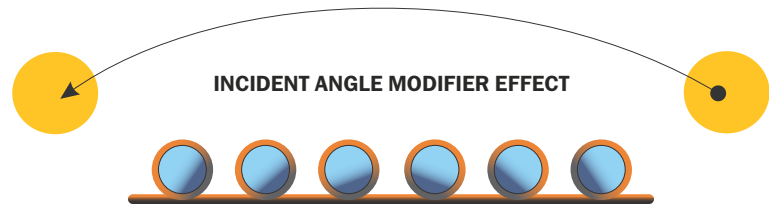
For the last 4 decades, the most efficient method of heating pool water is with Sunbather solar tubing on your roof extracting free heat from the sun. Fads come and go, yet black solar pool heating has stood the test of time with higher efficiency rates than any other heater.





SUNBATHER EMPLOYS SCIENCE TO ACHIEVE MAXIMUM HEAT GAIN.

The Incident Angle Modifier Effect lifts and separates the tubes so each is exposed to more sunshine for more hours every day.



AS A WORLD PIONEER OF SOLAR, SUNBATHER DEVELOPED THEIR OWN HIPEC COMPOUND.

Sunbather developed HiPEC to solve the industry's problems of EPDM rubber. They made it much thinner and tougher and it weighed 18% less. They ensured its thermal response was faster and made it more resistant to the climate and to chlorine attack. They also guaranteed it would never 'tea-leaf' and it quickly became the only material to use for solar strip collector ... and 40 years later, it still is.

OTHERS PROMOTED 8 OR 10 TUBE COLLECTORS, BUT SUNBATHER PROVED THAT 6 WORKED BEST.

While strips with 8 or 10 tubes may increase the amount of water on the roof at any one time, that doesn't improve heating performance. It just puts a lot more weight on your roof!

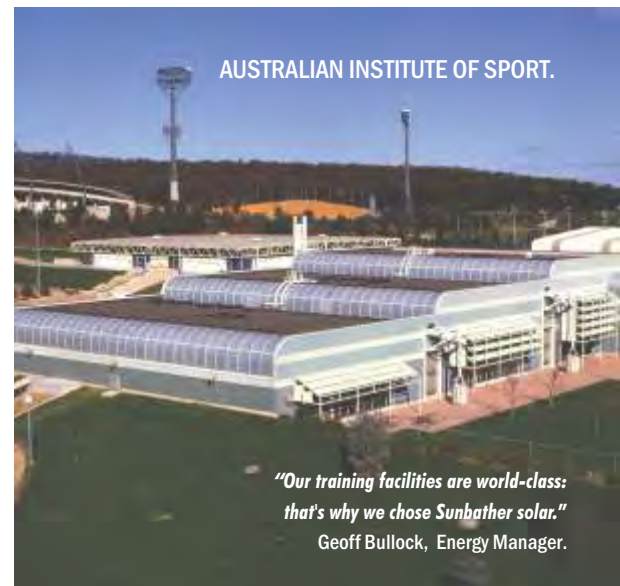
The science is clear.

Even water distribution of pool water across the collector; tube thickness; thermal resistance and area exposed to the Sun are more critical to absorbing and transferring heat quickly to the pool.

Decades of testing and thousands of large commercial installations prove HiPEC six tube strips are optimum.

TOTAL FLOW CONTROL DETERMINES PERFORMANCE.

Maintaining even water pressure in every tube across a large solar collector area involves complex hydraulics and flow management. Only Sunbather technology addresses these problems and only Sunbather achieves maximum heating efficiency by mastering them. With Sunbather, there are no cool spots.

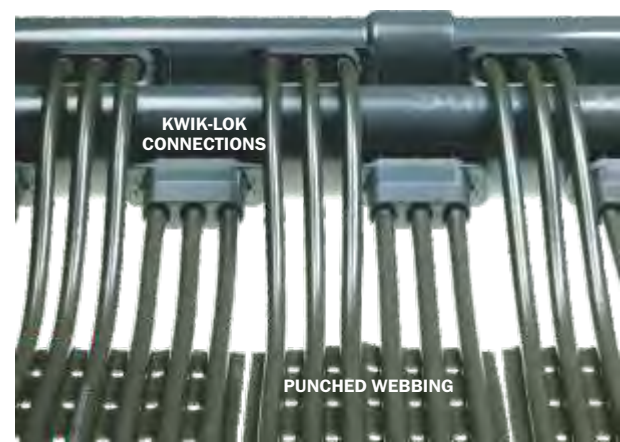


"Our training facilities are world-class: that's why we chose Sunbather solar."
Geoff Bullock, Energy Manager.

KWIK-LOK FOR FAST AND SECURE CONNECTION ... AND PUNCHED HOLES FOR FASTER WARMING.

The Kwik-lok manifold connection system 'clicks' together. It is quicker, easier and, unlike glued systems, can easily be undone. It easily meets Sunbather's stringent quality and reliability standards. Kwik-lok turns the weakest link into the strongest.

Punching holes in the webbing helped over-night dew evaporate quickly and rain water to drain straight through. All of which means more heat into your pool more rapidly.



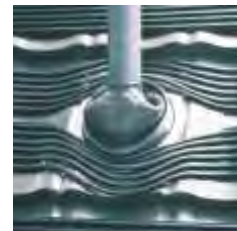


SUNBATHER'S AWARD-WINNING STRIP & PANEL TECHNOLOGY.

HiPEC STRIP PROVIDES ULTIMATE FLEXIBILITY.

Strip collector is easy to install. It can run across multiple roof spaces and bend around obstacles.

Photovoltaic panels may not be best for pool heating but they are good for generating electricity and strip collector can even run under existing PV panels to provide the best of both solar options.



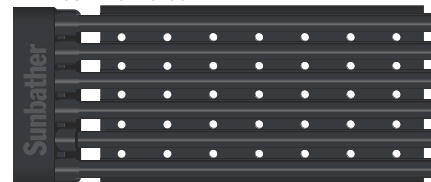
LOW PROFILE FLAT LOOPS ... NOT FAT LOOPS.

10 and 12 tube strips create FAT loops that can stick up 200mm or more above the roof line collecting dirt and debris.

Sunbather 6 tube loops are smaller and very unobtrusive.

To eliminate loops completely, choose Sunbather's FLAT LOOP TECHNOLOGY - winner of the pool industry's 2004 PRODUCT INNOVATION AWARD.

FLAT LOOP TECHNOLOGY

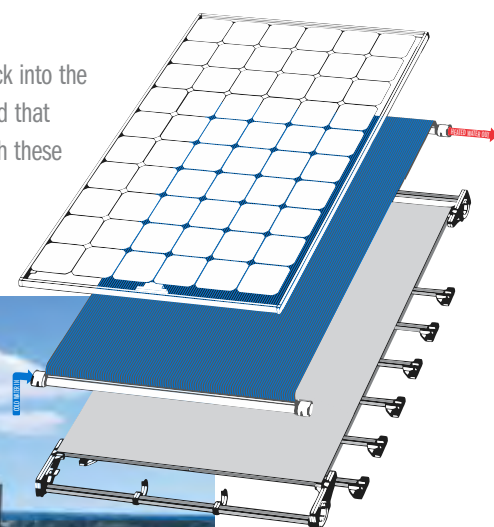


COMBINING PV AND SOLAR POOL HEATING PROVIDES 4 TIMES THE ENERGY OUTPUT FROM THE SAME ROOF SPACE.

When roof space is limited, you can still have Photovoltaic electricity panels on your roof and heat your pool with solar by installing the patented **CoolPV** electric plus water heating system.

The top layer is an array of high efficiency PV cells that generate electricity for use in your home - or fed back into the grid when you have a surplus. Like all PV panels these also generate a great deal of heat so directly behind that array is a pool water heat exchanger made up of hundreds of tiny tubes. A pump pushes pool water through these tubes gathering up all that wasted heat and delivering it back to the pool.

Two systems - one footprint - FOUR TIMES more energy per square metre of roof space.





AWARD-WINNING SUNSWITCH SET A NEW BENCHMARK.

SunSwitch won the 2008 PRODUCT INNOVATION AWARD in recognition of its stylish design combined new ideas with simple and intuitive controls.

There are no switches or knobs. Operation is through the screen with a choice of Auto, Manual and other specialised modes.

State-of-the-art German sensors ensure SunSwitch will always turn the system on when it should and off when it should. Just set and forget!

WIRELESS - WHEN LESS IS MORE.

Wireless SunSwitch is the ultimate solar pool heating control system. Its remote sensor sits on the roof without the need to run wires.

And it doesn't need batteries.

Not only is it easier to position for best performance, it's also easier to replace if it's ever damaged. Its range is over 150 metres and it transmits every 10 seconds so it's more accurate than other systems.

SUNTUBE-2: THE ONLY RIGID SOLAR PANEL SYSTEM MADE IN AUSTRALIA FOR AUSTRALIAN CONDITIONS. IT'S THE NEW BENCHMARK IN SOLAR PANELS.

Some installations require a rigid panel system. Usually, they are in places that are particularly harsh on the solar collector.

In the past that meant an imported product had to be used. These were perfectly adequate systems, but not specifically designed for tough Australian conditions.

Now the new Sunbather Suntube-2 panel system has changed all that. A local manufacturer has created an Australian made panel rugged and durable enough for Australia's harsh climate.

SUNTUBE-2 IS DESIGNED TO BE SUPER TOUGH!

Australia is a world leader in solar pool heating but Australian climatic conditions also place huge demands on solar collector materials and pipework. That's why the Suntube-2 system has been made super tough. In fact, Suntube-2 is easily the toughest solar system made anywhere in the world.

Every component in the system has been redesigned for greater strength and durability. New technologies have been developed for every connection to eliminate any potential points of weakness.

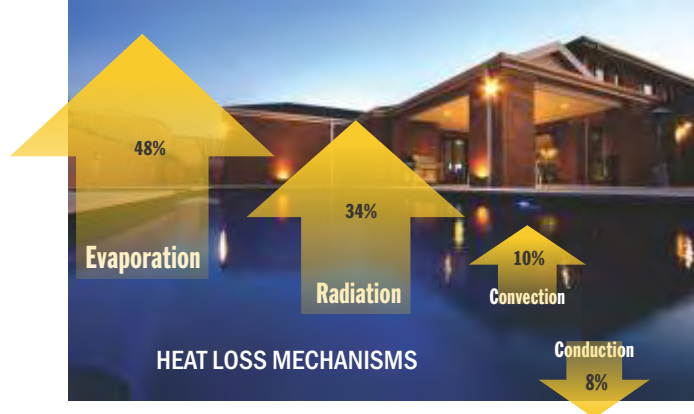


suntube-2

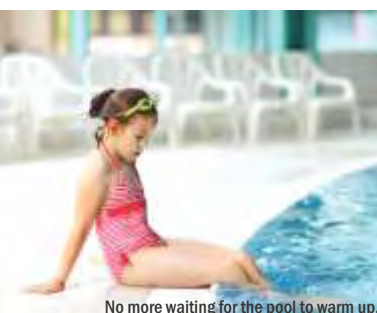


15
YEAR WARRANTY

**15 YEAR WARRANTY ON SUNBATHER COLLECTOR
BACKED BY THE MOST TRUSTED NAME IN SOLAR**



THERMAL COVERS COMPLETE THE ENERGY PACKAGE

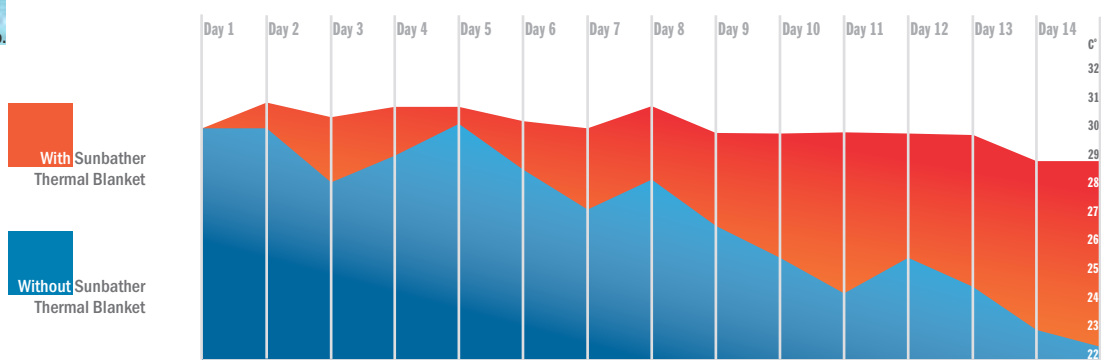


No more waiting for the pool to warm up.

A THERMAL POOL COVER WILL SAVE PRECIOUS HEAT ENERGY.

Pools lose 92% of their heat through the surface. Only 8% escapes through walls and floor. Covering the pool's surface with a Sunbather Thermal Blanket locks in the pool's warmth overnight.

It's the most cost-effective and environmentally friendly way to save heat so you can enjoy an evening swim or some fun and exercise in the pool early next morning.



Graph shows the temperature drop in two identical solar-heated pools with controllers set to 30°C under the same climatic conditions over 14 days.

A THERMAL POOL COVER ALSO SAVES WATER.

Water lost through evaporation on an un-covered pool can equal that pool's entire volume of water each year. With a Sunbather Thermal Blanket on the pool, evaporation is almost zero. That's why Sunbather pool covers have been awarded the Smart Approved WaterMark.



"In the last 15 years, I have tried three different types of pool covers, each with its own problems. Sunbather covers surpass them all in every respect."

Ian Harvey, Lilydale Squash & Fitness Centre

A THERMAL POOL COVER WILL SAVE YOU MONEY ... LOTS OF IT!

Thermal Blankets are the most effective pool insulation. They slash evaporation and save you money on your water bills.

And, if your pool or spa has gas or electric heating, a Sunbather Thermal Blanket stops your money evaporating - it can cut your heating bills by two-thirds!

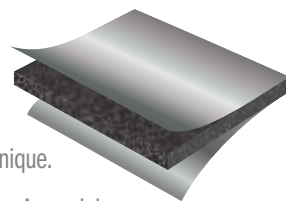
THE PROFESSIONAL'S CHOICE.

For over 40 years Sunbather has been the leader in pool covers for Australia's commercial pools. Containing costs is crucial, so heat and energy must be conserved. At the same time commercial covers and rollers must be tough, durable and reliable.

The same care and attention to detail that goes into making a massive and expensive commercial cover system also goes into the production of every Sunbather domestic pool cover and roller system.



"We are delighted with the gas savings and the ease of operation. The staff have found the system amazingly simple to use." Phil King, Kings Swim Centers



THERMAL HEAT SANDWICH.

Sunbather Thermal Blanket insulation is unique.

The core is Sunbather's UV stabilised foam. A special cross-linked cell structure ensures superior strength and flexibility.

The foam is sandwiched between a woven top and a water-proof bottom sheet.

Unlike BUBBLE covers thermal is ideal for heated pools because it doesn't generate unwanted heat on hot days. And rolled up, they are just one-third the size of a bubble cover and much lighter to move.

They are only slightly more expensive but so tough, they last at least twice as long as bubble and are available in dark blue, light blue and silver grey.



Blankets can be 2000 Micron or 4000 Micron. Edges can be sewn with a protective hem. Hinged folding sections can be used to fit odd pool shapes. There are haul cords, roller covers, attachment straps, security straps and many other accessories.



"We chose Sunbather for our 3540m² of heated pools because of their superior overnight heat retention, ease of handling and storage."
Steve Peet, Manager, Wet'N'Wild Water Park.

THE THERMAL SECURITY BLANKET IS THE WORLD'S SAFEST POOL COVER.

The safest and easiest pool cover in the world to use is the Sunbather SECURITY BLANKET.

It's fully automatic and, like all other Sunbather thermal blankets, the foam-filled slats of the Security Blanket lock in heat overnight.

The interlocking CVX foam-filled slats are so strong and so buoyant they can easily support the weight of children and pets keeping them safe.





ROLLERS MAKE LIGHT OF HANDLING COVERS.



To make handling even a large thermal blanket a breeze, Sunbather manufacture a wide range of aluminium and stainless steel manual rollers. From budget to semi-commercial models, all have sturdy wheels so they can be quickly and easily rolled away from the pool when not in use.

Some of the larger rollers can even be fitted with motor-drive and a REMOTE CONTROL.



WITH THE ROLLER OUT OF SIGHT AND OUT OF THE WAY ... DOWNUNDER IS THE MOST POPULAR POOL COVER!



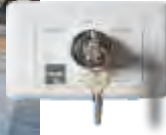
A narrow cavity, extending beyond the width of the pool, is created at one end of the pool and covered with a strong but lightweight hinged aluminium lid.

When the pool is in use, the lid is closed and the blanket and roller are out of sight. The lid can be walked on and it sits flush with the pool deck so there's no chance anyone will trip.

Inside the pit is a Sunbather Thermal Blanket wrapped around a stainless steel roller. To deploy the blanket, the lid is flipped open and the blanket pulled out into position.

To put the blanket back out of sight, just use the waist-height handle to wind it up and close the lid. The wind up mechanism can even be motor-driven if necessary. DownUnder is simple, neat and very convenient!





THE FULLY AUTOMATIC COVER.

The Sunbather AUTOMATIC SECURITY BLANKET sets the benchmark for ease of operation.

Available in above ground or below deck models the motor-driven roller mechanism glides the cover onto the pool and closes it after use with just the turn of a key.

SUNBATHER'S HEAT ENERGY APP IS ANOTHER GOLD AWARD-WINNER.

In 1975, Sunbather worked with the University of NSW on their comprehensive scientific study of commercial pool heating. The results were documented and a complex computer program developed. Sunbather use it on all their commercial heating projects and it has made them the undisputed leader in this field.

In 2012, Sunbather developed an 'app' to apply this technology to domestic pools. The 'app' is accurate for any pool heater on any pool anywhere in Australia.

It even determines the precise savings gained by covering a pool when its not in use.



The app provides a read-out of exactly what each type of pool heater will cost to run and, importantly, how to achieve all the benefits of pool heating for minimal cost.

In recognition of this contribution to the pool industry, the app and its kiosk won the industry 2014 Gold Medal for National Product-of-the-Year.

AN UNEQUALLED COLLECTION OF INDUSTRY AWARDS IS AN ACKNOWLEDGEMENT OF THE FORTY YEARS THAT SUNBATHER HAS SPENT FOCUSED ON DESIGNING INNOVATIVE PRODUCTS TO COLLECT AND CONSERVE ENERGY.

Sunbather's dedication to continuous innovation and improvement has seen it collect more state and national GOLD product of the year awards and SILVER product innovation awards than any other pool heating manufacturer.



AUSTRALIAN MADE (AND OWNED) FOR OVER 40 YEARS.

Sunbather grew out of the 1970 energy crisis when three students agreed to form a company to build solar powered products.

Ever since, Sunbather has been proudly Australian owned and operated. Even when facing competition from cheap imports, Sunbather has never deviated from its goal to design, engineer and manufacture solar systems of the highest standard here in Australia.

And now with Australia facing another energy crisis, Sunbather is still committed to providing pool owners with the most energy efficient and economical pool heating option technology will allow.



NATIONAL SERVICE & INSTALLATION NETWORK.

Solar is the perfect match for the Australian climate, so long as it's manufactured to withstand the harsh conditions and installed correctly. Sunbather builds for durability and backs it up with a nationwide network of highly trained Sunbather installers and service technicians.

ANNUAL PRODUCT SUPPORT PROGRAM.

With just a little regular care and attention, Sunbather solar systems are designed to last a very long time.

To ensure they do, Sunbather offers a Product Support Program with check-ups every year for every solar system or pool cover.

It's just another reason why Sunbather, after 40 years, is still the most trusted name in solar pool heating.

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"I have been associated with several Sunbather solar installations since 1974. They have all been efficient, reliable and shown significant economies. The company is a leader in this important field of technology."

Sir John Holland A.O.

John Holland Constructions.

