SUNPAD

WORLD'S MOST REVOLUTIONARY SOLAR WATER HEATER

Dealer

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/ sunpad.solar

SUNPAD
THE SUN AND THE GECKO

THE SUN. SOURCE OF INFINITE ENERGY AND ORIGIN OF ALL LIFE

Sending its warming rays to our planet for billions of years. Nevertheless, it was only a few decades ago that people learned how to use solar energy effectively for hot water in their homes and nature shows us the way.

THE GECKO. EVEN BEFORE TAKING IT`S FIRST BREATH, IT HAS BEEN ALREADY LINKED TO THE SUN

Thanks to the heat of the sun, our little gecko came to life and immediately became self-sufficient. It effortlessly climbs steep walls and roofs in search of exposed locations for invigorating sunbaths. Its splendor of colors places it on display in full light.

INSPIRATION TRANSFORMES, OUR MASTERPIECE

Inspired by the characteristics of the sun-loving gecko, we have developed this new and revolutionary solar collector for water heating: SUNPAD is less expensive, easier to use, innovative and aesthetically pleasing than any other previous collector.

COSTLESS HOT WATER

SUNPAD provides sustainably treated hot water at the best price and is the perfect symbiosis of innovation, design and usability.

SUNPAD
REVOLUTIONIZES SOLAR BUSINESS

"With SUNPAD we opened a new chapter in the history of the solar industry. With an impressive product design, revolutionary innovation and an unbeatable price."

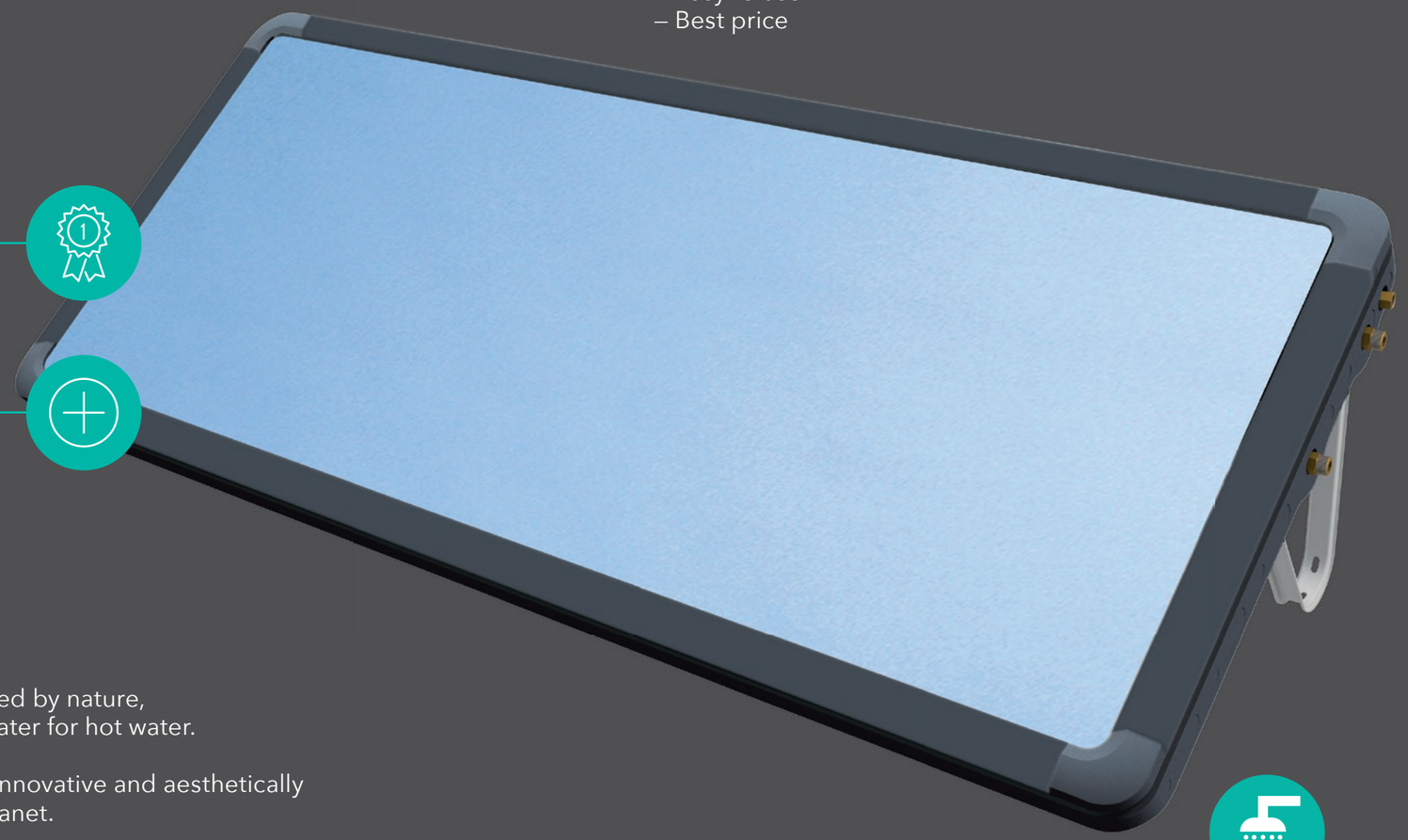
Robert Kanduth, CEO

OUR MASTERPIECE: SUNPAD

– Innovative technology
– Unique design
– Excellent product
– Domestic fresh water
– Easy to use
– Best price

SUNPAD
WORLD'S MOST REVOLUTIONARY SOLAR WATER HEATER

SUNPAD E
WITH AN ADDITIONAL HEAT ROD



SUNPAD turns the solar world upside down. Inspired by nature, we have developed this revolutionary new solar heater for hot water.

SUNPAD is less expensive and more userfriendly, innovative and aesthetically pleasing than any previous heater system on the planet.

With its groundbreaking technology and an unbeatable price-performance ratio SUNPAD eclipses the competition.

SUNPAD
FRESH WATER SYSTEM

FREE OF
LEGIONELLA

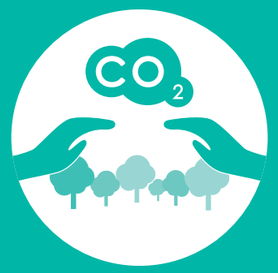
LET'S TALK ABOUT OUR FUTURE

SUNPAD provides sustainably treated hot water at the best price and is the perfect symbiosis of innovation, design and usability.

We contribute to significantly influencing the energy habits of the worldwide population through SUNPAD. And to begin a new approach today as part of tomorrow's energy system.

With our intelligent energy solution for your individual needs, we can reduce ...

- **the CO_2 emission by one SUNPAD which corresponds to 100 huge planted trees**
- **your heat energy costs by up to 80% depending on your climatic environment**



SAVE THE PLANET

SAVE THE ENERGY COSTS

SUNPAD
FUNCTIONAL PRINCIPLE

SUNPAD is a unique and completely new solar system. By integrating the heat carrier tank into the insulation, which at the same time includes all supporting components, we have created the most compact solar system available on the market.

Due to the small number of components, the system is virtually maintenance-free. The heart of the system is the heat storage tank. It contains 150 liters of water. The tank is manufactured using the latest laser welding technology.

The special solar coating on the surface of the tank causes the water in the tank to be heated when exposed to the sunlight. The incident solar energy is released directly without line losses to the water. This means the system provides 150 liters of water during the day up to 85 degrees celsius (depending on climate zone and local environment).

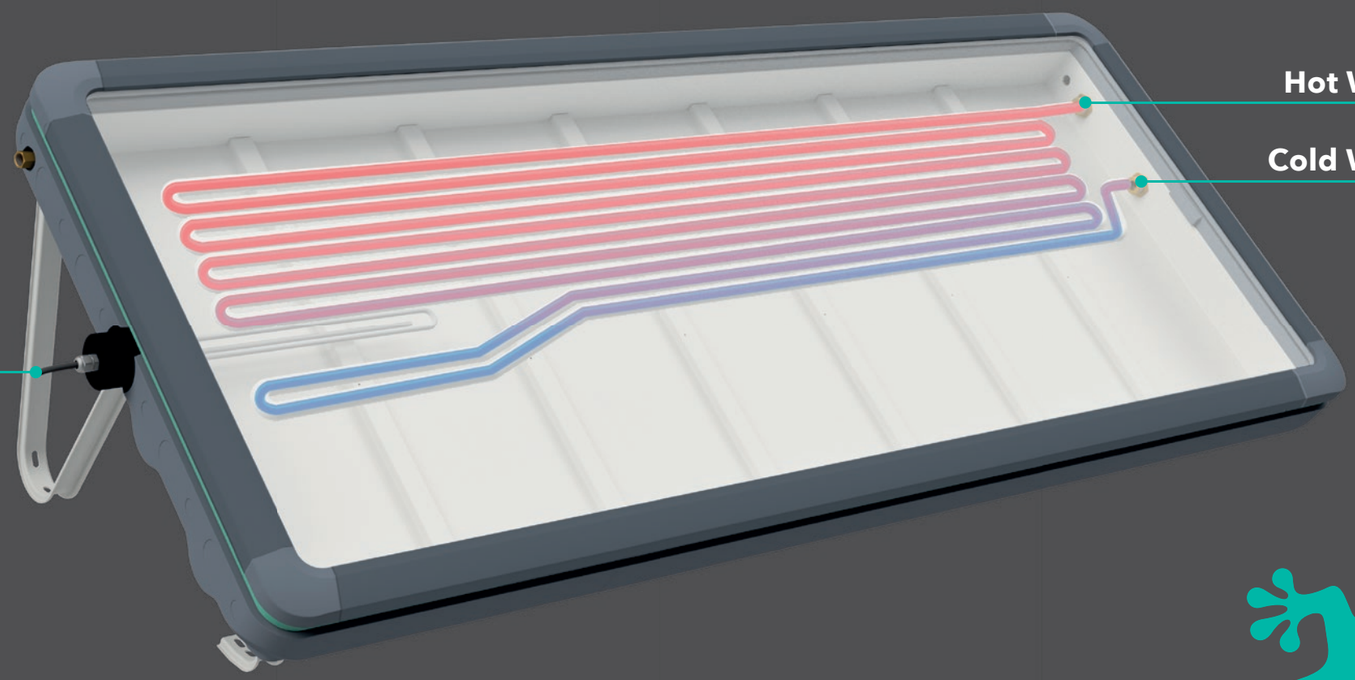
This tank also hosts the precisely dimensioned (19 m long) heat exchanger which carries the actual potable water.

Connected to the house water pipe, the tank is flowed through with the tap water. If water is tapped, it will heat up as it flows through the heat exchanger and hot water will be available.

With the downstream mixing valve, the water will be mixed down to the desired temperature. Depending on the enviroment and temperature of the system, up to 380 liters of water with 40 degrees celsius will be available.

To maintain the temperature in the tank, it is encased with up to 50 mm thick insulation of high-quality expanded polypropylene foam (EPP). This insulation also takes over the holding function for the highly transparent and UV resistant cover insulation and the solar safety glass.

SUNPAD E
WITH AN ADDITIONAL
1 KW | 2 KW HEAT ROD



INNOVATIVE AND TECHNOLOGICAL LEADER IN SOLAR THERMIC SOLUTIONS

HOUSING

The shapely exterior housing, which resembles that of an iPad, consists of expanded polypropylene foam (EPP). Due to the excellent insulation effect, it prevents the cooling of the heat transfer tank. Simultaneously, it also adopts the holding function for the cover insulation which is UV resistant and for the solar safety glass.

HEAT TRANSFER TANK

The 150-liter steel tank is welded by using state-of-the-art laser technology. The tank is operated without pressure. The surface of the tank is coated with solar paint.

HEAT EXCHANGERS

The heat exchanger in the tank is a ribbed corrugated pipe made of high-grade stainless steel. Precisely dimensioned in diameter and length ensuring the heat exchanger provides optimal heat transfer.

COVER

To protect the tank from external weather influences, it is covered with a antireflex safety glass. This glass, with an extremely high energy transmission, ensures that as much solar energy as possible is transferred to the heat transfer medium. Additionally, there is a UV resistant cover insulation in between, which is made of polycarbonate with insulating bars to keep the heat in the tank.

SUNPAD
CONVINCE YOURSELF OF OUR ADVANTAGES

The revolutionary solar water heater sets new high standards.

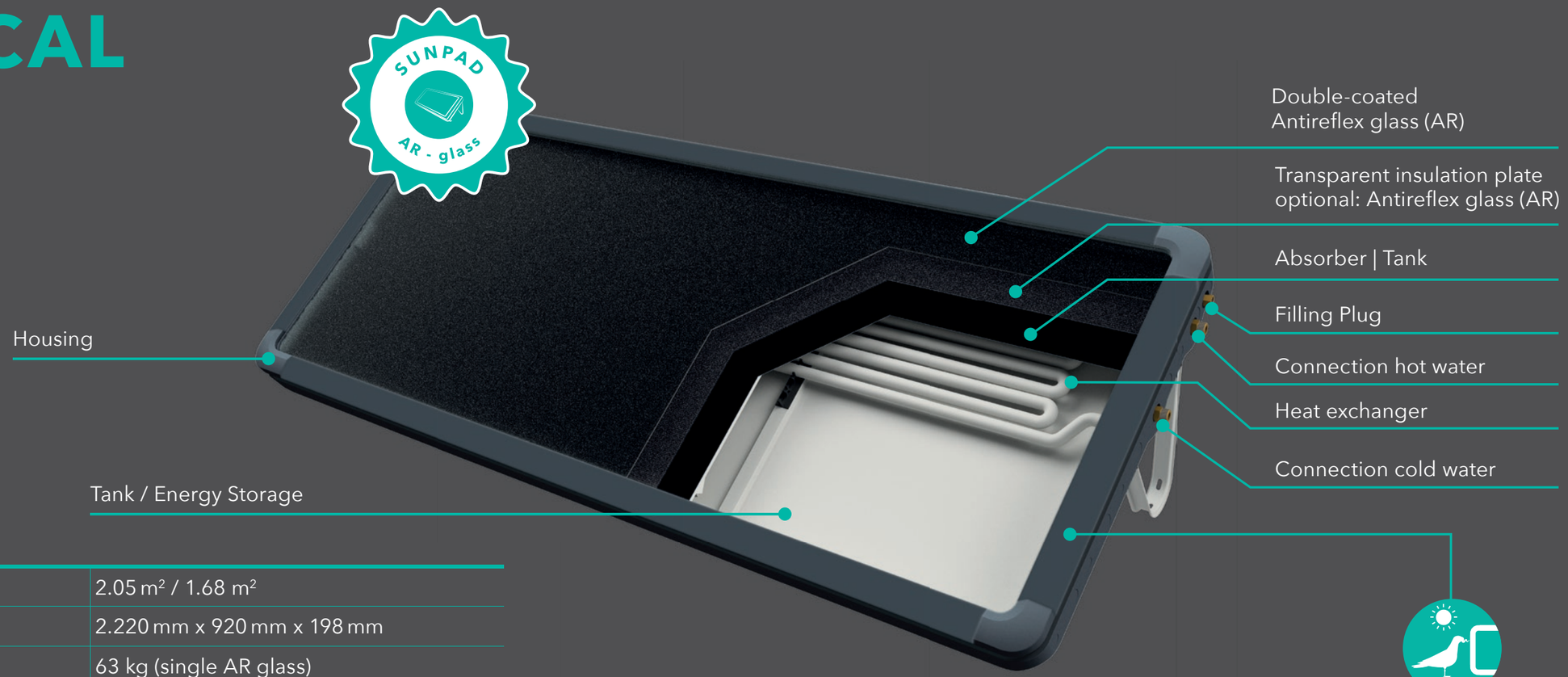
Warranty Information:
5-year warranty on the solar water heater, 2-year warranty on the components!

INNOVATIVE COMPLETE SYSTEM
– All-in-one-compact solar water system
– High performance fresh water system
– Innovative concept
– Unique design for aesthetic roof integration

COST AND ENERGY EFFICIENT
– Excellent performance
– Low cost price
– Short payback period
– Reduced transport costs & optimized packaging

FLEXIBLE AND USER-FRIENDLY
– Fast and easy to install
– Plug and play system
– Light weight for easy handling
– Flat or pitched roof mounting

TECHNICAL DATA



Gross area / net area	2.05 m² / 1.68 m²
L x W x H	2.220 mm x 920 mm x 198 mm
Weight heater empty	63 kg (single AR glass)
Collector housing	EPP
Bird protection	click-on frame
Absorber	Stainless steel, selective coated
Absorbtion	91 %
Connections	¾'', customized possible
SUNPAD E	1 kW | 2 kW Heat rod
Thermal insulation	0.036 W/mK
Buffer tank capacity	150 liters of technical water
Domestic freshwater output	up to 380 liters hot water mixed with 40°
Volume heat exchanger	9. 2 liters
Material heat exchanger Optional:	Stainless steel 1.4404 AISI 316L Stainless steel 1.4539 AISI 904L
Compressive strength heat exchanger	10 bar
Storage material	Stainless steel

BIRD PROTECTION

SUNPAD IS AN UNIQUE COMPLETELY NEW SOLAR SYSTEM

By integrating the heat carrier tank into the insulation, which at the same time includes all supporting components, the most compact solar system available on the market was created.

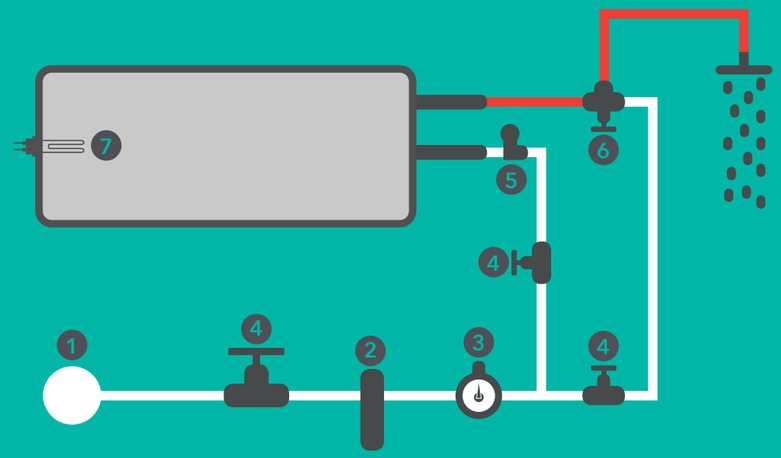
SUNPAD
BECOME SELF SUFFICIENT

Be clever - in times of electricity failure or dependence on energy suppliers for hot water all these will be challenges from the past.

SUNPAD
HYDRAULIC SCHEME

HYDRAULIC SCHEME

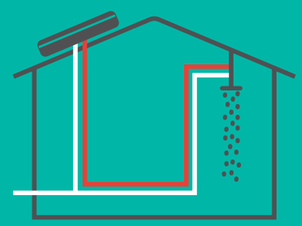
In addition to the attractive design, our SUNPAD also has an excellent simple hydraulic integration. The high pressure resistance up to 10 bar opens many application and installation possibilities for the SUNPAD. We supply a safety non-return valve as standard with the product. The following illustration shows the components needed to install the SUNPAD system and how to arrange them.



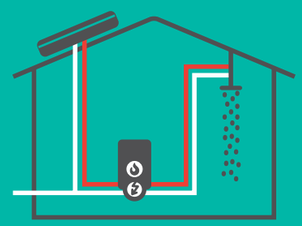
1. Water main
2. Water filter
3. Pressure reduction valve (10bar)
4. Shut-off valve
5. Combined non-return/safety valve (10 bar)
6. Service water mixer (preset to max 60°)
7. Electric heating element

SUNPAD
IS VERSATILE AND FLEXIBLE

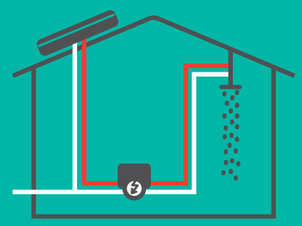
POSSIBLE APPLICATIONS



Only solar



SUNPAD connected serial with conventional water heater



SUNPAD connected serial with instant water heater

MOUNTING POSSIBILITIES

Pitched roof mounting

Flat roof 20°

Flat roof 30°

TOP LOGISTICS PERFORMANCE

GREENoneTEC SUPPLY CHAIN

One of our major competitive advantages is our continuous supply chain and the associated extremely reliable delivery performance.

CUSTOMIZED PACKAGING SOLUTIONS

Heaters and fastenings for all types of shipping (road, air or sea) can be packaged flexibly and economically. This also includes developing and implementing customized packaging solutions for specific transportation requirements and warehouse management systems.

ORDER VOLUMES

	20ft container	40ft container	40ft HC container	Truck load
Volume	54	108	120	130
Units per pallet	9	9	10	10

Volume depending on selected mounting parts

START YOUR AMAZING JOURNEY RIGHT NOW

Be a part of our common global journey looking for energy independence for hot water. As a satisfied customer or a longterm distribution partner.

BECOME A PARTNER

Sales inquiry
GREENoneTEC Solarindustrie GmbH
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sales@greenonetec.com
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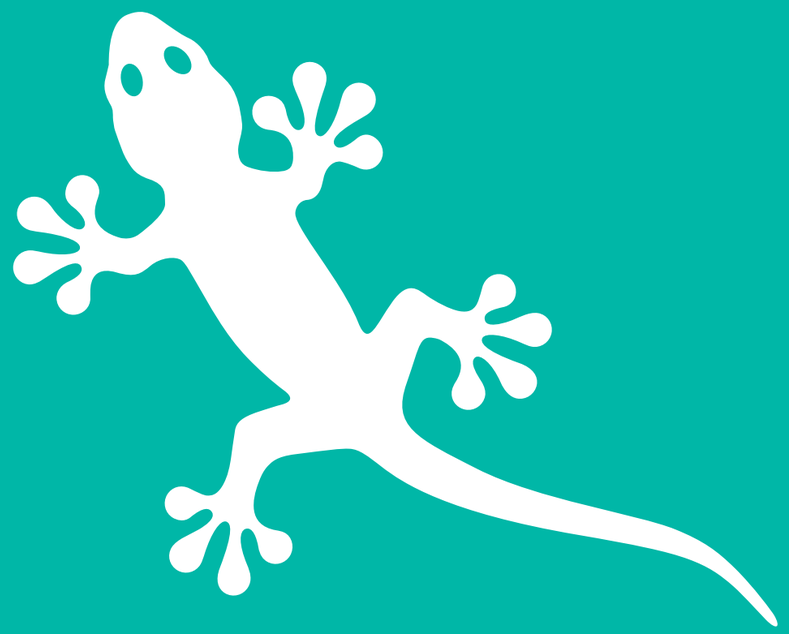
ENJOY OUR IMAGE VIDEO

SAVE THE PLANET



SUNPAD CHANGES PEOPLE`S HABITS GLOBALLY FOR A SUSTAINABLE FUTURE

YOUR CONTRIBUTION TO A SUSTAINABLE FUTURE