



we act to protect

We are specialists...

for the perimeter protection of solar farms

AVASUN perimeter protect originates from STYX Sicherheitstechnik GmbH and has been launched by two specialists for perimeter security.

We are specialised in solar farm protection worldwide with varying technologies but focusing on systems with modular concepts. Here we work with partners who set the highest value on **quality, reliability** and **just-in-time deliveries** just as we do.

Teamwork, fairness, human relations and **respect** towards our customers, staff and partners are the pillars of our work.

Sustainability, social responsibility and **value balanced management** is our impetus and commitment at the same time.

Only if our customers lean back and say

„with security from AVASUN we are safe“,

we have done everything right.

The only duty on earth is this:
a change in clarity without pondering.

(Fernando Pessoa, Portuguese poet, 1888 – 1935)

The sun ist...

life, well-being and energy

Without the sun our world would be nonviable. Meanwhile we have realized that we are running out of our fossil resources. But we can achieve to satisfy the ever growing hunger for energy and restore our environment at the same time. More and more organisations, politics and economies are convinced (albeit the different targets) to succeed in the energy revolution in order to sustain the world. AVASUN is just a small cog in the machine and supports this process. **We take pride in this.**



Our actions are always directed at ...

the protection of your solar farm



Planning

We do extensive planning according to our customers preferences and with our experiences.



Installation

Our team of specialists puts the planning into practice on site and in accordance with our customers into high quality systems.



Your benefit

Our professional team on site spares you further project partners.



24/7 Service

We take care of our delivered systems during their complete lifetime and we are there for you day and night.

We offer...

all kinds of individual security systems



Fence sensor technology

An all-digital fence detection system with exact identification of cut throughs, climbings or other attempts of conquer. It detects attacks in several places at the same time.



Video analysis

Complex detection system connected with thermal cameras which identify movements day and night reliably, trace and register them.



Teared wire

Cost-efficient standby current and optical fibre system which can be used in different fence types. It reacts only on mechanical damages and is therefore almost free from false alarms.



Camera systems

Pan-tilt-zoom cameras with infrared laser for pin sharp images and proper identification as far as 250 metres day and night.



Microwave

Perimeter protection behind the fence via transmitter and receiver. The electromagnetic field goes as far as 200 metres.



Optical fibre splicing

Special welding of optical fibres. For our customers also as a service on their site.

We trust in...

cooperations with a demand for the highest quality standards



REMBE® Fibre Force GmbH

Case Study Mauritius Bambous

With our mind on...

220
megawatt
secured

250
thermal and
laser cameras

60500
metres of
fence

13
countries in
which we
are active



We for Conecon GmbH on Mauritius

The operator requested a farm security via thermal cameras and intelligent video analysis software. To ensure identification we planned additional zoom cameras with infrared laser that provide a perfect night vision for as far as 300 metres. This pan-tilt-zoom units serve as an excellent support for the security personnel.

This solution enable a surveillance and detection without any gaps along the complete fence course and with appr. 40 thermal cameras and 10 laser cameras it has been a very extensive project. As an additional service we performed the optical fibre splicing of the monitoring system with our own splice equipment.

A local security agency controls the site. For them the video management system with an active trigger system and pinpointing attempts of trespassing or break-ins is support at its best.

Standard for all our systems is remote control via client software as well as emergency APP access via mobile devices.

A special challenge for this project was being outside of Europe and to finish it on time for handover. The hillside of the farm as well as ongoing cabling during our installations complicated matters.

Our services in detail

- Optical fibre splicing for the monitoring system
- Splicing components for the security technology
- Assembly and implementing camera technology
- Server and client for the security control room
- Complete documentation of the security technology

Project data

Mauritius Bambous

Customer	Conecon GmbH
Country	Mauritius
Project	Bambous
capacity Solarfarm	15,5 MW
Realisation	2014
Project duration	app. 3 weeks
Partner	Flir thermal cameras SeeTec video management VIDO laser camera

You can find further case studies:
www.avasun.net or
scan QR-Code



Excerpts from our references...





Everyones' value is as much as the value of
the things that are dear to him.

(Marc Aurel, Roman Emperor, 121 – 180 A.D.)

Our pledge is...

to sustain the world for
our following generations

Our world is a fragile structure, more endangered today than ever on a variety of grounds. For the following generations it is our duty and commitment to sustain this world. Big steps have been taken for climate protection and we are proud to contribute to this for our children. Because children are our future. And to show that these are not just empty words we promise to donate for each accomplished project to SOS-Kinderdorf. **For that we are true to our word!**



AVASUN
PERIMETER PROTECT

Phone +43 (0)3573 / 345 39
Fax +43 (0)3573 / 345 74
E-Mail protect@avasun.net
Web www.avasun.net

STYX Sicherheitstechnik GmbH
Hauptstrasse 21
8753 Fohnsdorf
AUSTRIA

we act to protect