

warning **PUBLIC**

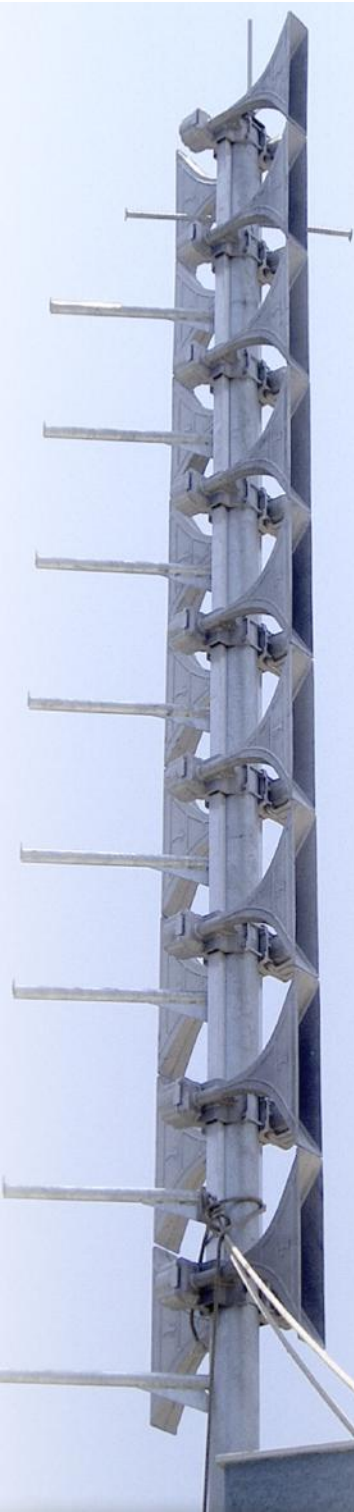


Solar Solution

SiRcom

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GESELLSCHAFT FÜR SYSTEMINTEGRATION
& KOMMUNICATIONSTECHNIK mbH



The Company

Experience the difference

SiRcom is a system house for Public - Warning - and Information-Systems founded in 1993 by a team of experts with many years of knowledge in acoustics and warning technologies.

Since the beginning our founder Norbert Hunger has taken over business as CEO and established an International and successfully operating company.

SiRcom's activities worldwide are coordinated from the Headquarter in Forstinning near Munich.

The SiRcom team has many years of experience not only in the development of new products but also in the handling of complete turn-key warning and communication systems around the world.

Culture & Philosophy



Over the years our leaders have combined **SiRcom's** culture and knowledge into what it is today - a company which brings new ideas to life.

The combination of long-time experience in advanced acoustical solutions, communication technologies, warning system designs and tailor-made complete systems is our unique competitive strength as well as your chance to a successful business.

„It is **SiRcom's** declared aim to offer a perfect economical and competitive solution for any requirement and complexity“



Solar Solution

introduction



Definition to use Solar as Siren-UPS

Today's electronic sirens are based on batteries or mains supply, as long as mains supply is available the batteries and its status are not relevant for any operation.

For areas where the main power is either unstable or for certain time periods not available, the battery backup is essential.

The supported time-frame of such battery backup is given by two major facts.

- a) Standby-operation without mains
- b) Siren-Activation without mains

For a) The permanent consumption in standby-operation is extremely low <5 (30mA) is required to keep the siren in standby mode, means approx. 1,2Ah per day.

A much higher standby consumption is given by a radio-unit (in case of radio-remote option), a today mobile radio requires approx. 10Ah per day.

SiRcom standard battery calculation secures in all operation modes a minimum standby operation by ONE week under the condition >2alarm activations still possible.

In order to enable siren-activation the stored energy in the battery is essential. Depending of the total siren power in the average a **SiRcom** Siren allows 30minute continuous operation from the battery

The solar charging is made to replace mains supply or to backup the charging source.

Secure such it will provide security for:

- Permanent available Siren-Functionality (absolute independence from the power supply)

- Maintenance free functionality

- Longest possible live span of batteries
- maximum operational security.

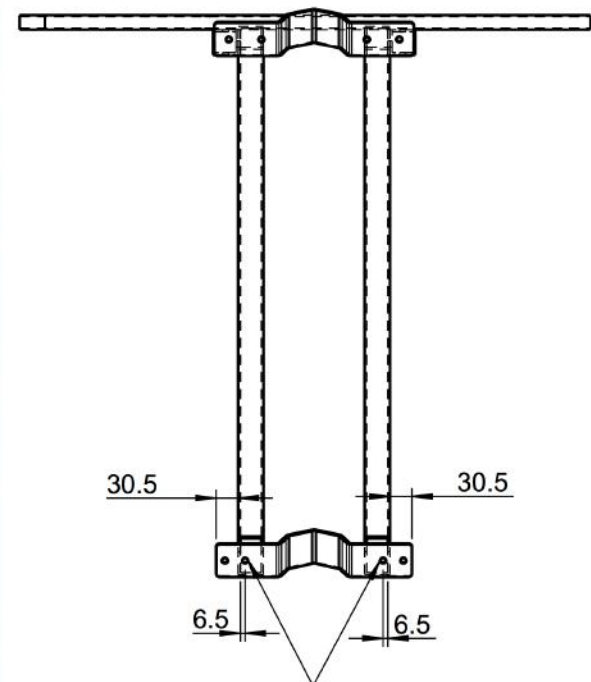
A very important fact is the battery-physics:

Batteries need to be permanently charged at a certain level in order to avoid battery damage or reduction in live span. Today's batteries have an approx. live-span of 4-5 years. In order to achieve this they must be properly charged.

The worst (and harmful) situation is, once a battery gets fully discharged it must be recharged within a very short time-frame, any time too long (view hours) will have reduction in permanent-capacity-loss. This means a discharged battery without recharging within 10-20 hours has already a substantial capacity loss for ever.

All areas where mains is unstable or insecure due break-downs risk, we highly recommend to make use of Solar-Supply/Backup in order secure:

- uninterrupted Siren-Operations as well
- Batteries-Live-Time



customized solution

Solar Solution

mechanical

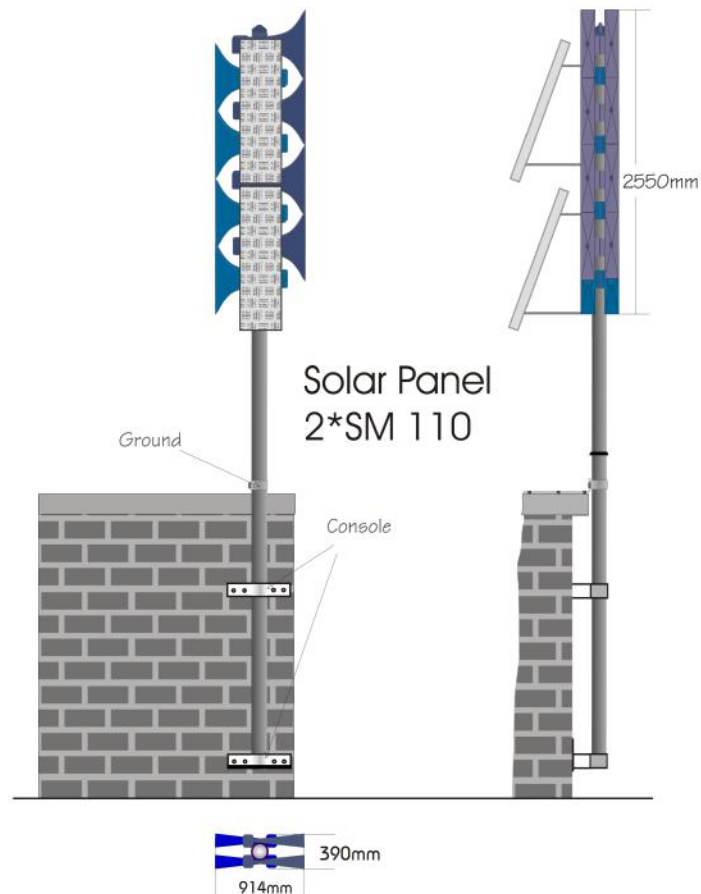
portfolio
products & solutions

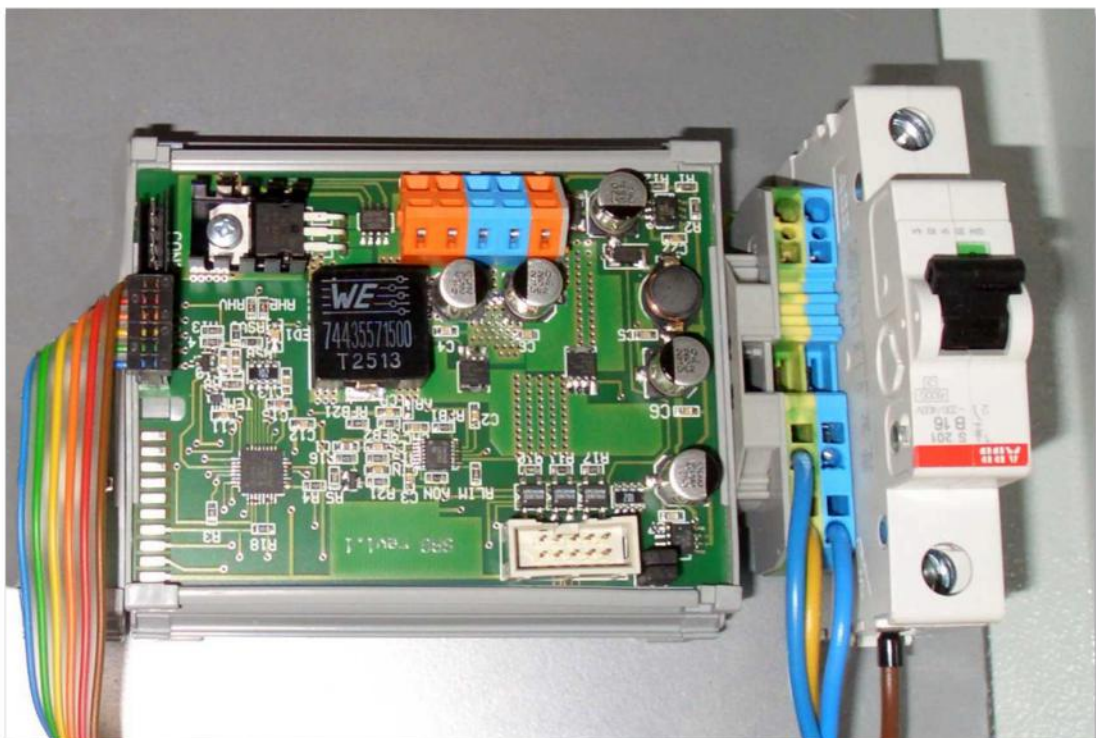
SiRcom's Design of integrated Solar-Mounting-Frame

To make an Installation simple as possible and safe **SiRcom** designed a Solar-Mounting-Frame which is fully integrated into the siren-head-assembly.

It make use of the pole structure and allows to mounty any panel size required for the siren-power-needs.

It is unique it is very safe and a cost saving solution





customized solution

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technical

portfolio
products & solutions

SiRcom's Design of integrated Solar Manager

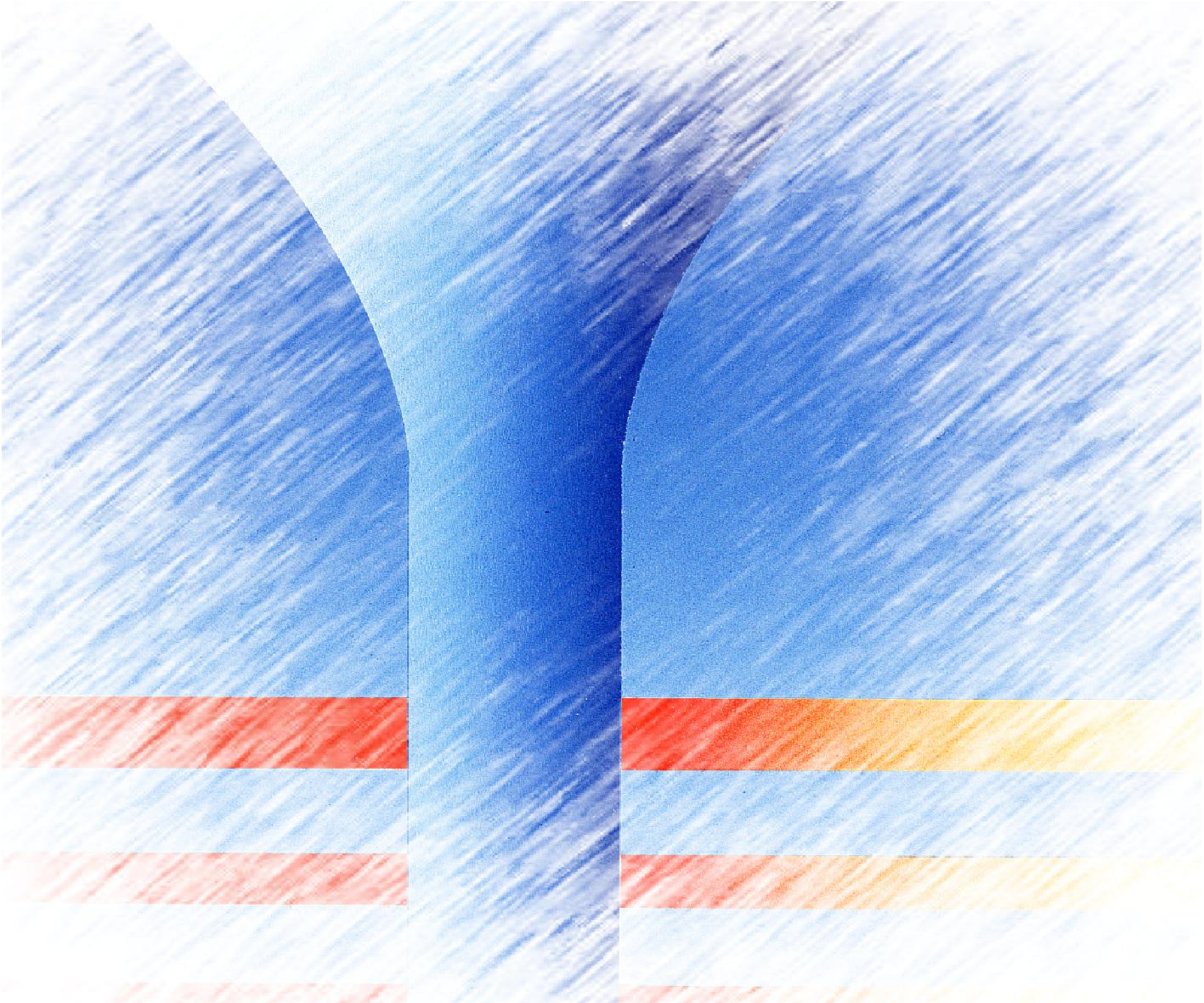
For security reason and highest possible efficiency **SiRcom** designed a Solar-Charging-Manager fully integration into the siren-electronics.

It allows the siren-controller to make use of various supply options (mains or solar) independently.

In addition at the same time all electrical solar data are available for remote monitoring.

This means at the Control-Center all live data about the Solar-Charging as-well the Battery-Condition are available.





contact us:

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