

State of the Art  
Green Energy Solutions



# MERKUR German Technology



**MERKUR**<sup>®</sup> Ueberseehandel GmbH is a strong partner with a team of technical experts and profound experience in consulting, engineering, design and building of electrical- and power systems manufactured in Germany. As a system supplier we cooperate with strong world class brands and team up with international companies to achieve your goals. Our experience is based on numerous international projects supplied from within our group to many countries worldwide.

Clean renewable energy production is compulsory for a healthy and prosperous life. Limiting the use of carbon based energy resources with their highly pollutive side effects requires innovative and effective technologies to be implemented in order to cope with rising energy demand.

**MERKUR**<sup>®</sup> renewable energy products and systems are state of the art and meet highest technical requirements. We take advantage of the leading position Germany is holding world-

wide in application and invention of eco-friendly materials and systems that perform at the lowest possible energy consumption. Thereby we thrive to reduce the environmental footprint and to support the endeavor of our clients to comply to green energy initiatives and to show a green company profile.

## **DUPROLUX**<sup>®</sup> LED street lighting

Apart from our strong focus on renewable energy systems **MERKUR**<sup>®</sup> is also specializing in **DUPROLUX**<sup>®</sup> Solar LED street lighting technology. The system designs are focusing on the needs of the Middle Eastern and African climate conditions, where we have successfully completed several projects. We have the capability for design and manufacture of large scale solar street lighting installations in island mode or in on-grid environment. LED street lighting systems powered from central PV array substations are available on demand as well.

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## MERKUR® 100 % solar Aircons

Another domain of ours in the green technology field are our **MERKUR®** 100% solar climatization systems. In this segment, as an addition to the already implemented **MERKUR®** Thermal Aircons (230V) and **MERKUR®** solar (48V DC) Aircons , we are presently developing the latest



addition of state of the art products. These will be **MERKUR®** Solar Inverter Aircons for the use in the on-grid environment.

The units will be running on solar power as long as sufficient solar power is available and automatically switch over to grid power when needed.

The charm of these systems: Whilst you do not run your aircons the system will feed electricity into the grid or your own batteries to make even more savings and to pay back on your investment.

All our solutions in the renewable energy sector are customized to the requirements of our clients. Our engineering team develops the best possible solutions for any goal required. Regarding the field of high tech projects we do not only support our customers in engineering and design of the systems but we also join in the implementation of the projects on site.

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