



# 2016 EUROSATORY



## → SAM J BASCH

In a fusion of solar and aerospace technologies, Smartflower Energy (Hall 5, Stand J338) developed Remules (renewable mobile ultra-light energy system), which is designed to provide sustainable energy solutions for military and humanitarian operations.

Based on the Austrian company's range of products for the civilian market, Remules is manufactured entirely of carbon-fibre materials. It is robust, yet lightweight enough to be set up by one person in less than 10 minutes.

According to Remules director Berndt Wesiak, it is the most efficient solar energy system

## Solar flower power

### Remules unpacked



available, producing up to 40 per cent more energy than fix-mounted systems. Its nominal power output is 2kWp (kilowatt-peak) with the energy yield due to tracking equivalent to 2.7kWp.

It features an integrated GPS tracking mechanism to enable the solar modules, fanned out to form a flower-like disc, to follow the sun in two axes for optimised power output. The aerospace-quality composite

material modules, using stealth solar technology to limit their radar signature, contain mono-crystalline cells exceeding 22 per cent in efficiency.

Remules was developed by Smartflower in collaboration with partners in the Austrian and German aerospace industries, and supported by several entities, including the Red Cross and the Austrian Ministry of National Defence and Sport.

## Cross-platform operations

A demonstration of how land forces of European nations can communicate with each other is held by Italy's Leonardo-Finmeccanica and Bittium of Finland (External Stand D501). The European Secure Software-defined Radio programme has made it possible for each company's systems to seamlessly interact. Leonardo's Swave software-defined radio and Bittium's tactical wireless IP network form a network where a video stream highlights the capabilities of the European high data rate waveform.

## Extra traction? No problem!

### → DAVID DONALD

Romania's ACF Industrie (External Stand D200) is presenting a range of its rubber track conversion kits at Eurosatory. In just an hour, all four road wheels of a 4x4 vehicle can be changed for rubber tracks, increasing off-road capability, especially in conditions such as snow, mud and sand where grip

is at its minimum and where buoyancy is an issue.

Kits are available for a range of vehicles, including the Dacia Duster small 4x4, Jeep Wrangler JK large 4x4, Volkswagen Amarok pick-up and Mercedes Sprinter van. A speed of 60km/h can be achieved, and the turning circle of the vehicle remains unaltered.



**FMV**

## Testing for knowledge

See us at stand No. K301  
in hall 6 at Eurosatory, Paris  
June 13-17, 2016

**T&E LAND SYSTEMS**  
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