

Be at the Right Time at the Right Place

with Socratec Telematic Solutions

The easy-to-use real-time cargo monitoring solution for containers, swap bodies, palettes and other freight without maintenance costs

SocraSolar

GPS-Positioning, Temperature and Shock Monitoring, Theft Alert



SocraSolar GPS-Positioning, Temperature and Shock Monitoring, Theft Alert

Commercial Benefits

- Sustainable through energy harvesting
- Data transmission: data collection in the device and data transmission in defined intervals
- Data security: Data encryption and optional carrier VPN tunnel
- Very exact positioning possible (< 0.5 m with RTK option)
- Process optimization due to better supply-chain-visibility
- Incident detection by shock-thresholds and alarms
- Enabling increase of asset utilization
- Analysis of rides and tours
- Monitoring of toll payments
- Reduction of service and down-time
- Monitoring of driving and rest periods of drivers

Technical Details

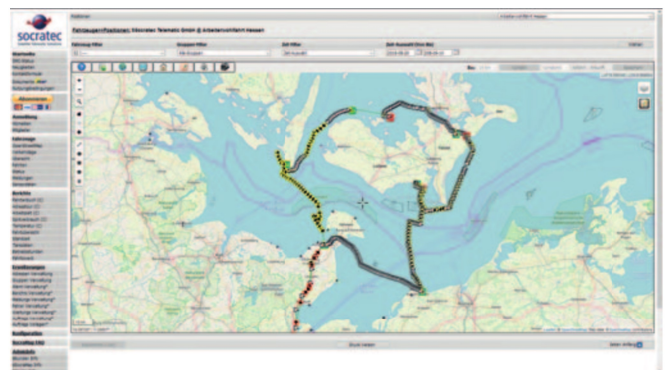
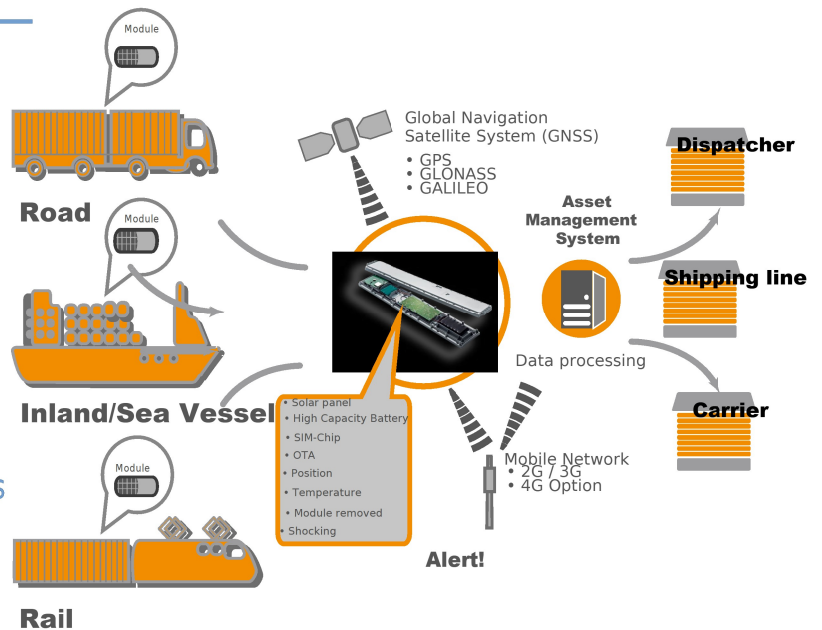
- Size: 648 mm x 117 mm x 30 mm
- Weight: 1.5-1.7 kg (depending on variant)
- Storage temperature: -40° to 85° C (ideal 0° to 30° C)
- Ambient temperature: -40° to 80° C (adapted functionality -40° to -25° C)
- Shock sensor (3 thresholds)
- 72-channel GNSS receiver
- Motion detection
- Temperature sensor
- Long-life rechargeable battery
- Energy-harvesting by crystalline solar module
- Optional back-up battery
- Fast and safe installation with brackets

Designed for Swap Bodies

- Fits in shape of container
- IP6K9K: designed for harsh environments
- Optimized antenna design

Connectivity

- 2G and 3G (optional 4G) for encrypted communication with backend
- Bluetooth 5.0 (BLE with long-range capability)
- Interface for external wireless accessories



SocraSolar enables fully control over the actual location of your freight.



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