

INTRINSICALLY SAFE SATELLITE DEVICE USES CARMANAH'S SOLAR EXPERTISE

Globalstar Inc. powers its SmartOne Solar™ asset tracker with solar technology for a longer battery life

**Location**

Distributed to Globalstar

Project Size

Ongoing

Partner

Globalstar, Inc.

Client website

<https://www.globalstar.com/>

Overview

A leading provider of mobile satellite voice and data services, Globalstar helps companies conduct business smarter and faster using tools like asset and personal tracking, data monitoring, SCADA, and IoT applications. Globalstar works with industries around the world including government, emergency management, marine, logging, mining, transportation, outdoor recreation, and oil and gas.

Typically, remote asset tracking devices are limited by their batteries in terms of data transmission payload and frequency. Additionally, many devices in the market today may also be restricted by the locations where they can be used physically and safely due to the remote nature of the assets and the potentially combustible environments, respectively.

To continue advancing their position as a leading provider of innovative, affordable satellite solutions for M2M/IoT markets, Globalstar sought a solar-powered device for remote monitoring capable of functioning in challenging and isolated environments, providing more frequent data transmissions cost-effectively, and maximizing field longevity without battery changes or other maintenance.

“Many of our customers are interested in broadening the data capture and increasing the frequency of data transmissions from their mobile assets,” says Dave Kagan, President and COO of Globalstar.

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Choosing Carmanah

In 2016, Carmanah signed a strategic multi-year agreement with Globalstar to collaborate on the design, development, and supply of the next generation of Globalstar IoT data devices that would incorporate solar-powered charging capabilities.

“Globalstar chose Carmanah because of the rugged solar design expertise the company is known for, and its ability to handle sensitive environmental requirements and deliver cost-effective solutions,” says Kagan.

The Carmanah Solution: SmartOne Solar

Carmanah engineered a solar-powered asset tracker and monitoring solution offering a 10-year battery life and intrinsic safety. The comprehensive device is usable in virtually all environments across multiple industries. The device, called the SmartOne Solar™, is also the only solar-powered asset tracker certified intrinsically safe for HERO and ATEX Zone 0—meaning it can be placed near ordnance or explosive gas. The long-life battery, up to 10 years charged via solar, and the corresponding one-year warranty ensure customers have peace of mind the device will be able to report from the field without costly maintenance visits from company personnel.

“The SmartOne Solar shows our ability to build tough, long lasting, and efficient solar products for harsh and demanding conditions, while also optimizing power management,” says John Simmons, Carmanah CEO.



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Outcome

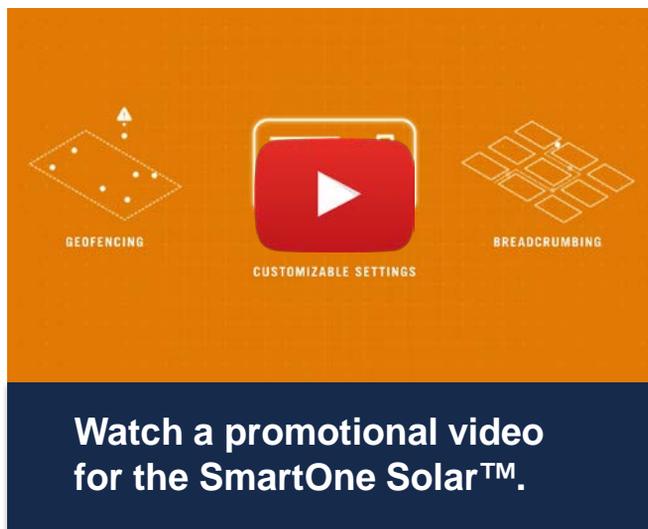
“Our investment in this new technology demonstrates our commitment to continually improve our customer experience and bring innovative satellite products to market,” says Kagan. “The Globalstar SmartOne Solar will support a much longer field life than our current devices as well as meet demand for operational requirements in some of our key industries.”

Globalstar fully expects the unparalleled safety, extended field life and value of the SmartOne Solar to help drive sales opportunities across a multitude of industries and markets around the world.



Partnering with a leader in solar manufacturing such as Carmanah allowed us to develop a product to help our customers affordably streamline remote M2M and IoT operations over Globalstar’s modern and fast satellite network.”

– Jay Monroe, Chairman and Chief Executive Officer, Globalstar



**Watch a promotional video
for the SmartOne Solar™.**