



SolarTech Power Solutions

Sophia Solar System Application



Overview

Are Sophia tiles solar powered?

Sophia TILEs are solar powered. Earth observation imagery and sensor data downlinked to Earth currently suffer long analysis times due to bandwidth constraints. Sophia TILEs process that data in orbit and relay near-real-time results to defense and emergency responders.

How does Sophia tile work?

Sophia TILEs process that data in orbit and relay near-real-time results to defense and emergency responders. High-performance AI workloads generate excessive heat, requiring water-intensive cooling solutions on Earth while current LEO compute growth is limited due to space radiator requirements.

What is Sophia's on-demand & self-paced format?

With Sophia's on-demand, self-paced format, you can complete your courses on your schedule, at your pace. Sophia courses are available anytime, anywhere, and most can be accessed from any device. Make quick work of your gen ed courses with Sophia's self-paced, on-demand format. Our learning coaches are here to support you every step of the way.

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