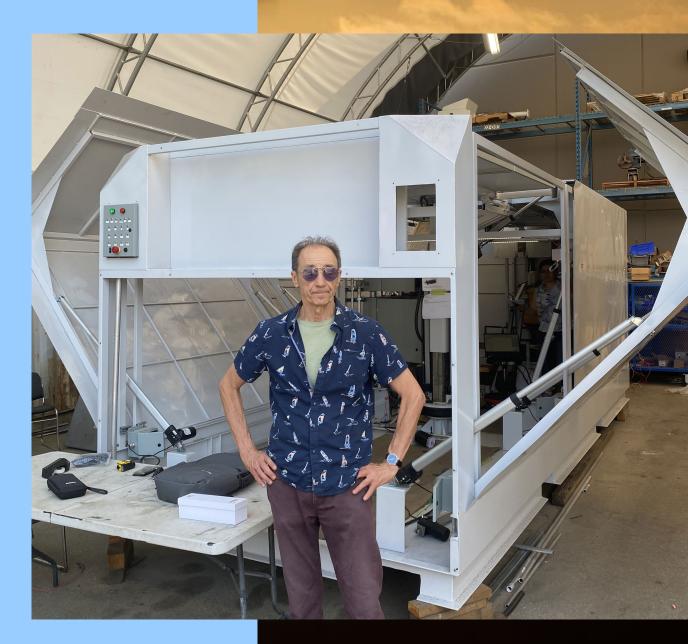


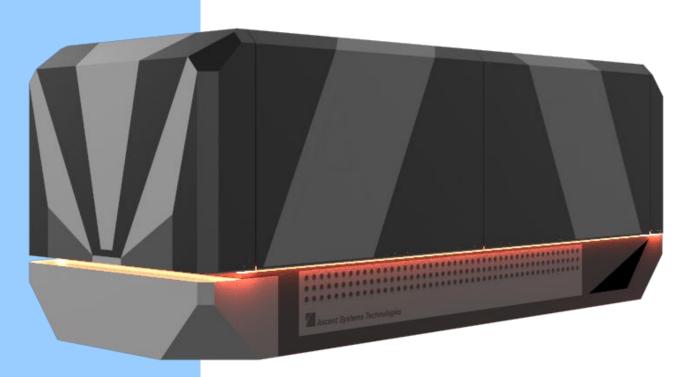
Autonomous Multipurpose Energy System



Ascent was born from inspiration by space technology







Autonomous Multipurpose Energy System (AMES) is a technology platform at the intersection of robotics, machine learning / AI and integrated energy generation and storage for delivering critical services to remote, hostile and hard to reach locations.



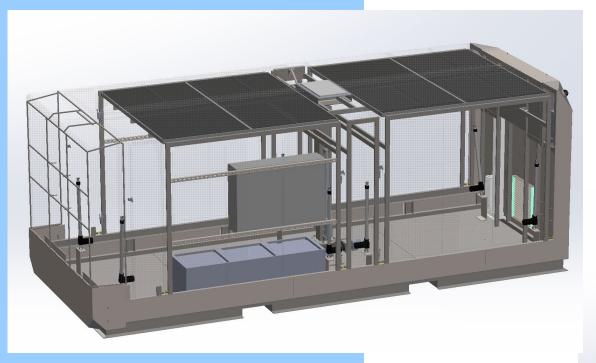
SOLSTICE

Self-contained module fits in a standard 20 ft shipping container

Can be delivered anywhere in the world and automatically deployed in < 30 min.

Designed to withstand the most harsh conditions, down to -40 degrees or lower

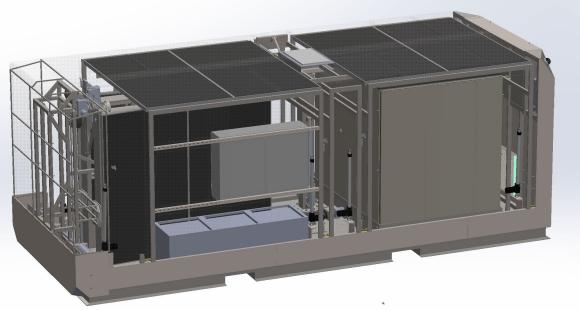




Retractable solar PV array, built-in battery energy storage, a set of environmental and other sensors

Modular System Architecture

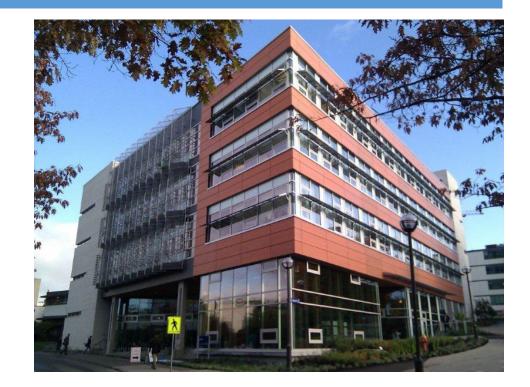
Flexibility, Adaptability, Evolvability







Advanced control utilizing predictive model with iterative machine learning algorithm and digital twin technology developed in collaboration with the University of British Columbia, Canada.





Prototype was successfully demonstrated at the Canadian DND Innovation for Defence Excellence and Security Challenge







Contract by the Canadian DND to develop a prototype for Sub-Zero Challenge

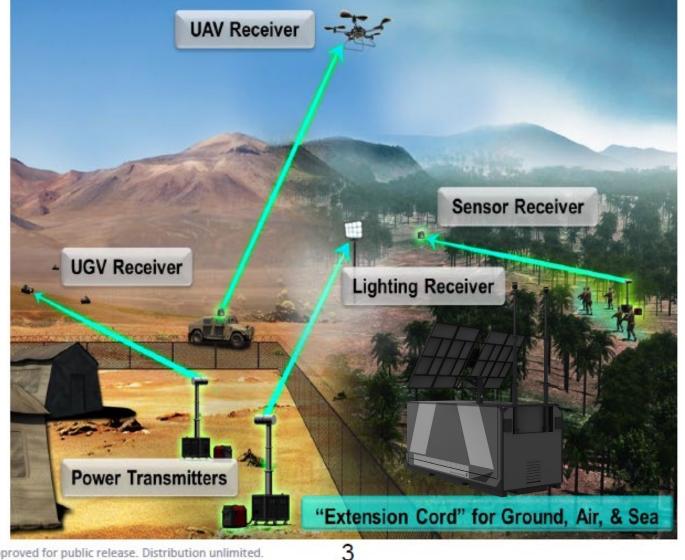
ADEN

Research into Integrating Power Beaming Technology

- Deliver energy with less risk
- Drones that can fly indefinitely
- Sensors powered from afar
- New force paradigms

U.S. NAVAL

ABORATOR



- Flexible energy redirection
- Resilient energy resupply
- Instantaneous energy delivery

Ascent Systems Technologies SOLSTICE Ê, The AMES module can also serve as a ground platform for space-based systems





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Autonomous Multipurpose Energy System