

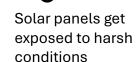
## **Problem**

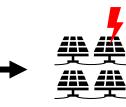
The solar industry **lacks** a low-cost device that continuously **monitors individual** solar panels to detect and locate faults within a string, leading to **60%** of solar panels being **decommissioned early**.



Solar panels are operating normally







A fault in a solar panel occurs



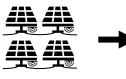
The whole sting is degraded, with no fault indication



Numerous panels are prematurely retired

## **Solution**

Our solution is a **low-cost** device installed on each solar panel that **detects**, **identifies**, and **locates** faults. This allows for enhanced maintenance, **increasing** operational **lifespan**, and reducing the number of panels sent to landfills.



Solar panels are operating normally

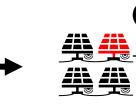




Solar panels get exposed to harsh conditions



A fault in a solar panel occurs



Our device detects, isolates, and locates the fault



The faulty panel is replaced, and the string is restored