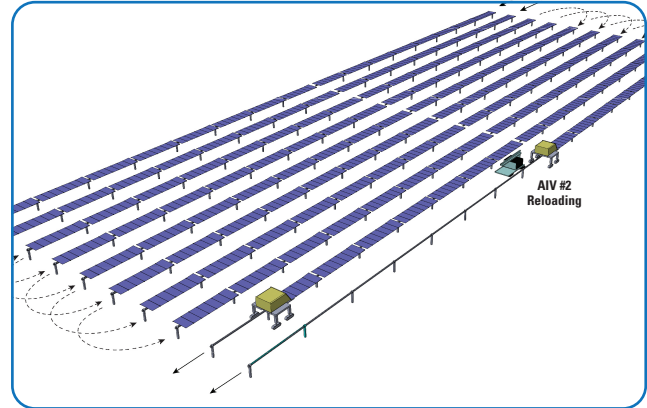


# SOLAR INDUSTRY TECH UPDATE

- A Florida-Tennessee R&D partnership is introducing a revolutionary solar panel installation method that enables 500MW single-axis tracker panel installations to be completed in less than 4 months, significantly reducing panel installation labor hours.
- A one-year feasibility study, using actual field data from multiple major PV installations, indicates 81% labor savings using 2 Automated Install Vehicles (AIVs) with advanced terrain adaptive LIDAR controls.
- Each leased AIV straddles a torque-tube and travels at 1mph, pausing only briefly to reload, installing over 2,650 panels per shift.
- Pallet-mounted segments, each with 50-60 panels, are integrated in small relocatable climate-controlled Segment Integration Facilities (SIFs), each sized to support 2 AIVs.
- Using 2 SIFs, 4 AIVs are serviced by 3 Automated Reload Vehicles (ARVs), allowing the SIFs to be relocated close to the installation effort as over 10,750 panels per shift are completed.
- This scalable approach enables EPCs to tailor panel installation rates, optimizing labor savings and reducing installation schedules.
- This **PROPRIETARY** installation methodology is applicable to both framed and frameless solar panels.



Two AIVs and an ARV are shown above completing ten tracker-rows within a nominal 500MW project – @ rate of over 5,300 panels per 7-hr shift. A second ARV (not shown) would be arriving from the SIF with 2 more re-loads to continue beyond here.

**THE PARTNERSHIP IS NOW SEEKING ADDITIONAL DEVELOPMENT TEAM MEMBERS AND PLANNING FOR Q3 2024 PROOF-OF-CONCEPT TESTING.**