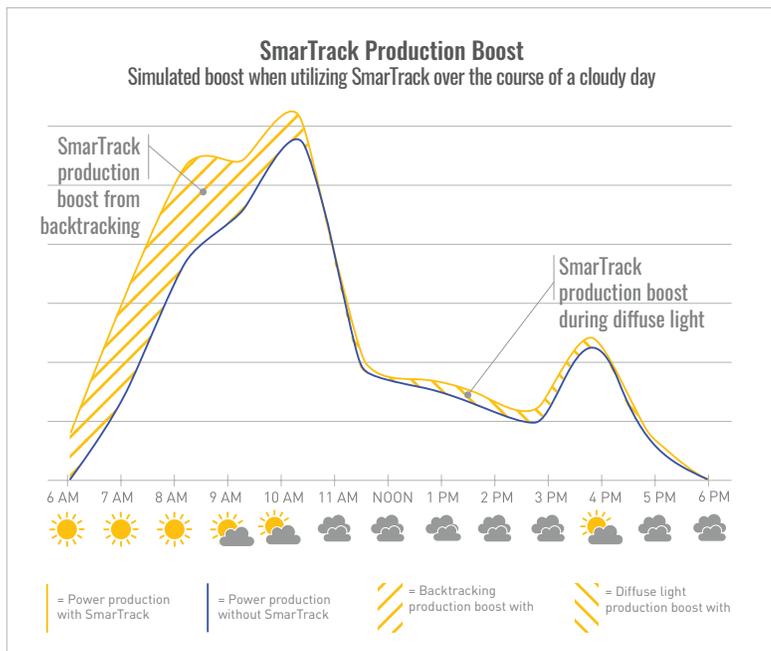


PRODUCTION
BOOST UP TO
5%

BOOST PRODUCTION. BOOST REVENUE.

SmarTrack™ Energy Optimization Maximize Production

Coupling SmarTrack with our DuraTrack tracker, developers and plant operators quickly optimize energy production by up to 5%. SmarTrack helps recover lost production in plants facing challenging terrain and diffuse light conditions—avoiding underperformance. Array’s engineers seamlessly integrate the SmarTrack software platform with Array’s DuraTrack tracker to ensure that modules capture the most energy possible. Avoiding row to row shading, inefficient tracking during cloudy periods, and increasing yield is what the advanced machine learning built into SmarTrack does, automatically. All this performance boost without site data ever leaving the plant.



SmarTrack Advantages



PRODUCTION BOOST UP TO 5%
Increase energy harvest by up to 5% by rapidly and securely optimizing backtracking and diffuse light strategies.



HIGHLY SECURE PLATFORM
All data is kept on-site, mitigating network threats, data vulnerabilities, and potential breaches.



NO ADDED HARDWARE REQUIRED
No extra sensors or added components means fewer parts, less points of failure, and greater reliability and uptime.



NO LONG-TERM FEES
A low one-time, upfront pricing model that boosts energy and revenue while reducing long-term operational costs.



RAPID, SEAMLESS INTEGRATION
Installation by Array, on-site or remote. Advanced machine learning takes over, no added technicians required.



BACKTRACKING OPTIMIZATION

Undulating terrain creates module shading inefficiencies for plants, which decreases energy production. SmarTrack monitors production efficiency in real time, using machine learning to alleviate shading effects with optimized backtracking. SmarTrack measures row height differences, terrain grade, installation tolerances, row spacing, ground cover ratio, monofacial or bifacial module use, and dozens of other inputs to quickly “learn” and apply the optimal backtracking strategy. Independent analysis by DNV GL highlights that SmarTrack improves energy yield by up to 1% per degree of slope.



DIFFUSE LIGHT OPTIMIZATION

Utility-scale power plants that face sub-optimal irradiance and diffuse light conditions can reclaim lost energy and improve plant efficiency with SmarTrack. Diffuse light conditions affect the bottom line and diminish profit. To combat this challenge, SmarTrack automatically calculates an optimal response in real time to rapidly optimize module angles, while avoiding potential false starts from sporadic cloud cover. SmarTrack self-adjusts using innovative machine learning in confirmed diffuse light situations to ensure the highest annual energy yield possible.

FEATURES & SPECIFICATIONS

Hardware Requirements	Utilizes Existing Site SCADA, inverter monitoring and existing sensors
Installation Requirements	Installed by Array Technicians
Software	Installed by Array Technicians
Pricing	Low, 1-Time Cost
Computer Network Requirements	Supports Common Protocols
Supported Modules	Silicon: Full and Spilt Cell, Common Busbar configurations
Tracker Compatability	DuraTrack HZ v3
SCADA Compatability	Supports Common Systems
Patents	Patents Pending
Security	No Impact to Site NERC compliance

COST VERSUS VALUE

We believe value is more than the cost of a tracking system. It’s about building with forgiving tolerances and fewer parts so construction crews can work efficiently. It means protecting your investment with a failure-free wind management system. It also includes increasing power density. But most of all, value is measured in operational uptime, or reliability.

THE GLOBAL LEADER IN RELIABILITY

Array has spent decades designing and perfecting the most reliable tracker on the planet. Fewer moving parts, stronger components and intelligent design that protects your investment in the harshest weather are but a few of the innovative differences that keep your system running flawlessly all day and you resting easy at night.

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