



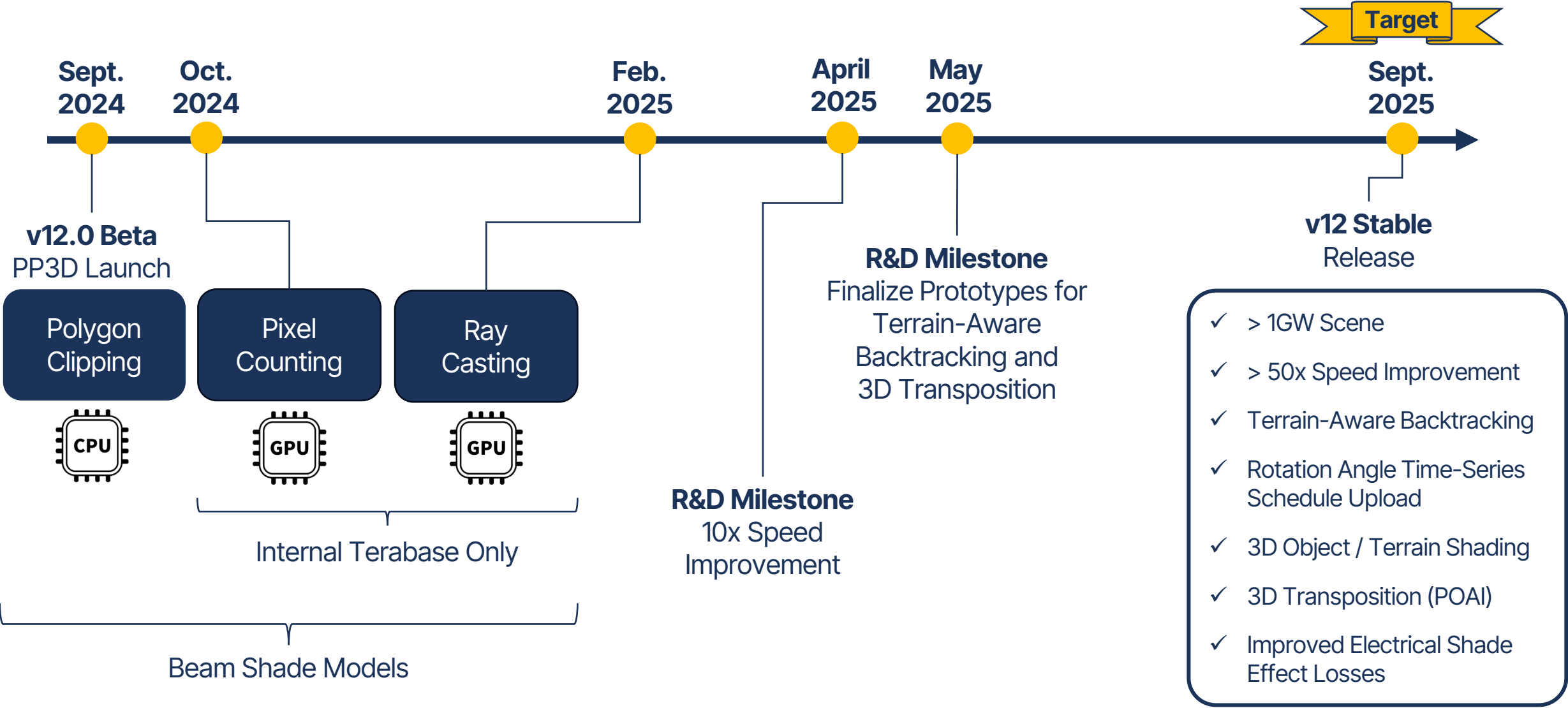
PlantPredict

Model Updates and Roadmap

Jason Spokes, PE (Sr. Product Director, PlantPredict)

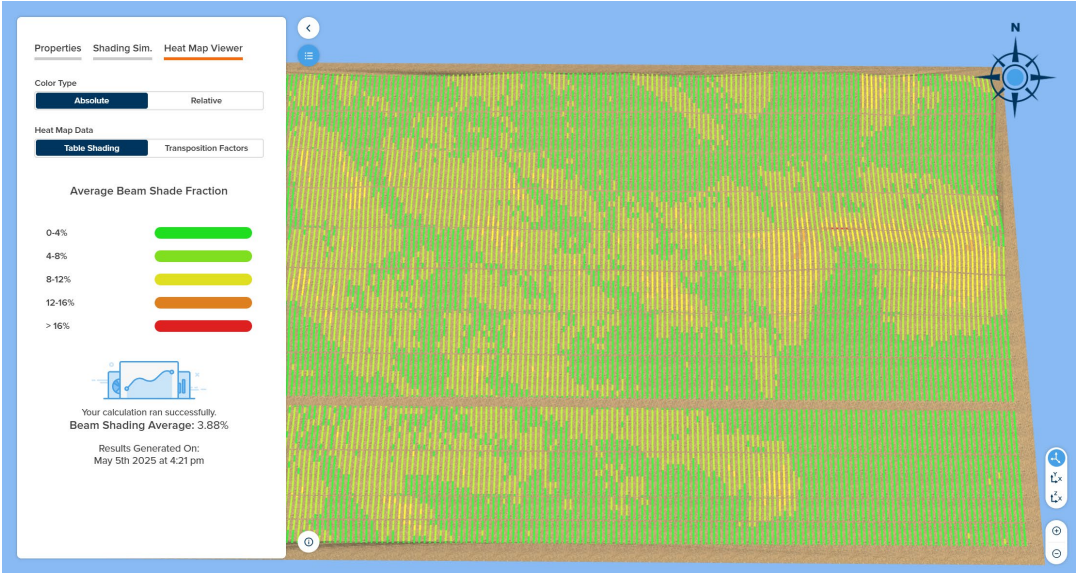
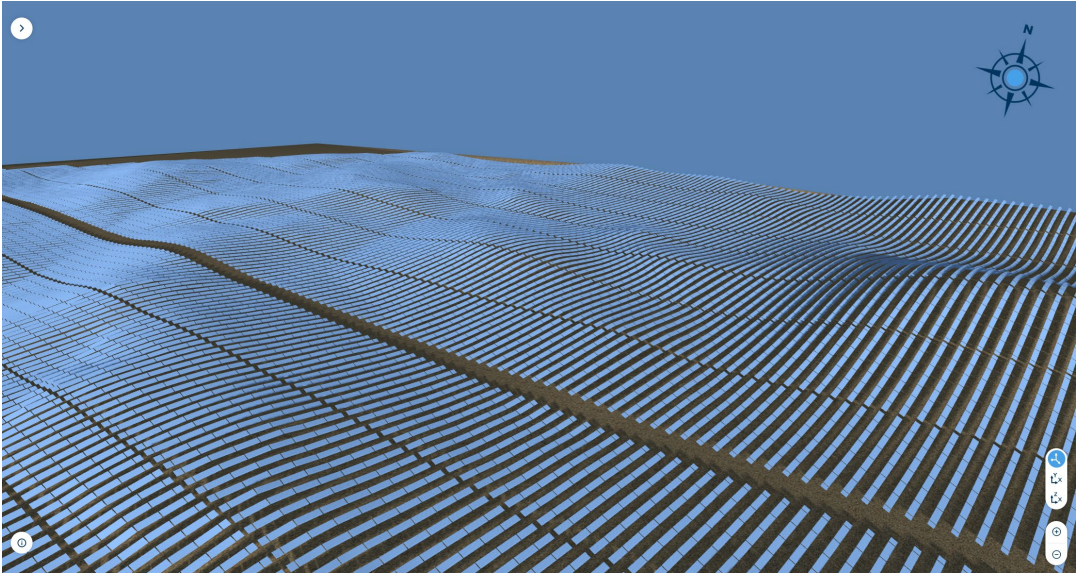
PVPMC 2025 (May 15, 2025)

PlantPredict 3D Timeline

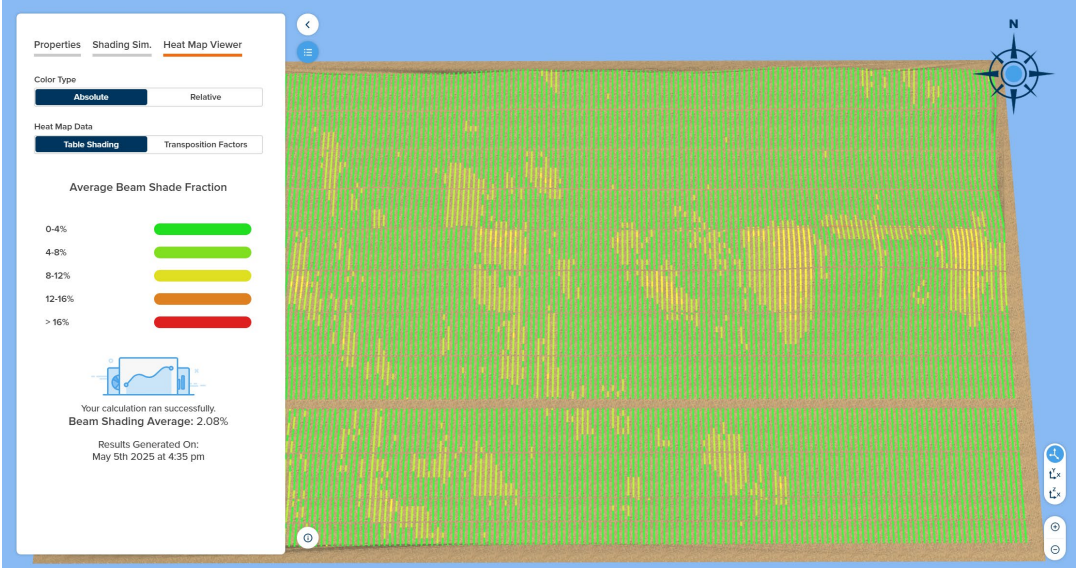
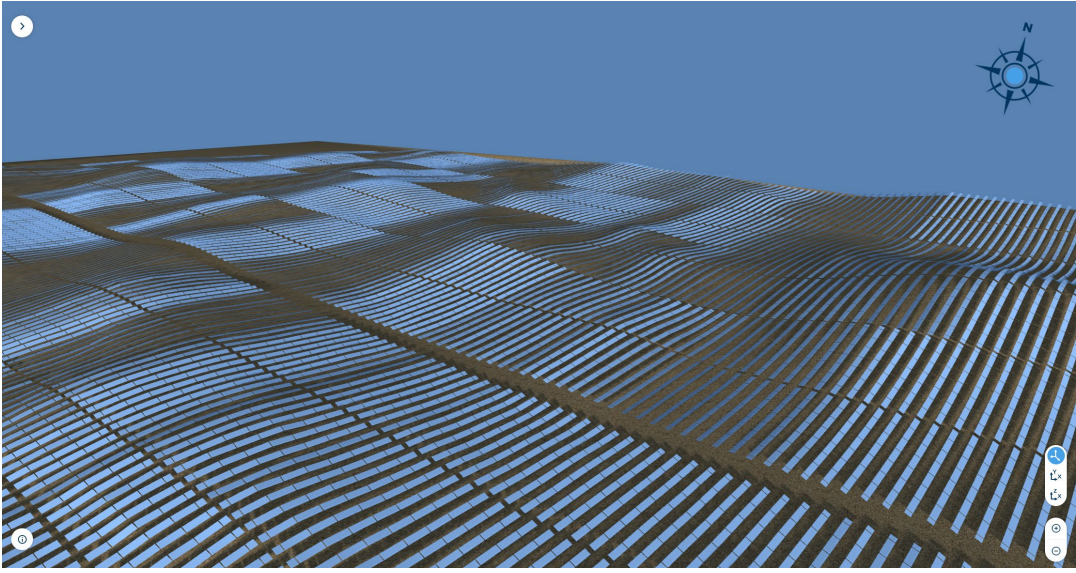


R&D - Terrain Aware Backtracking

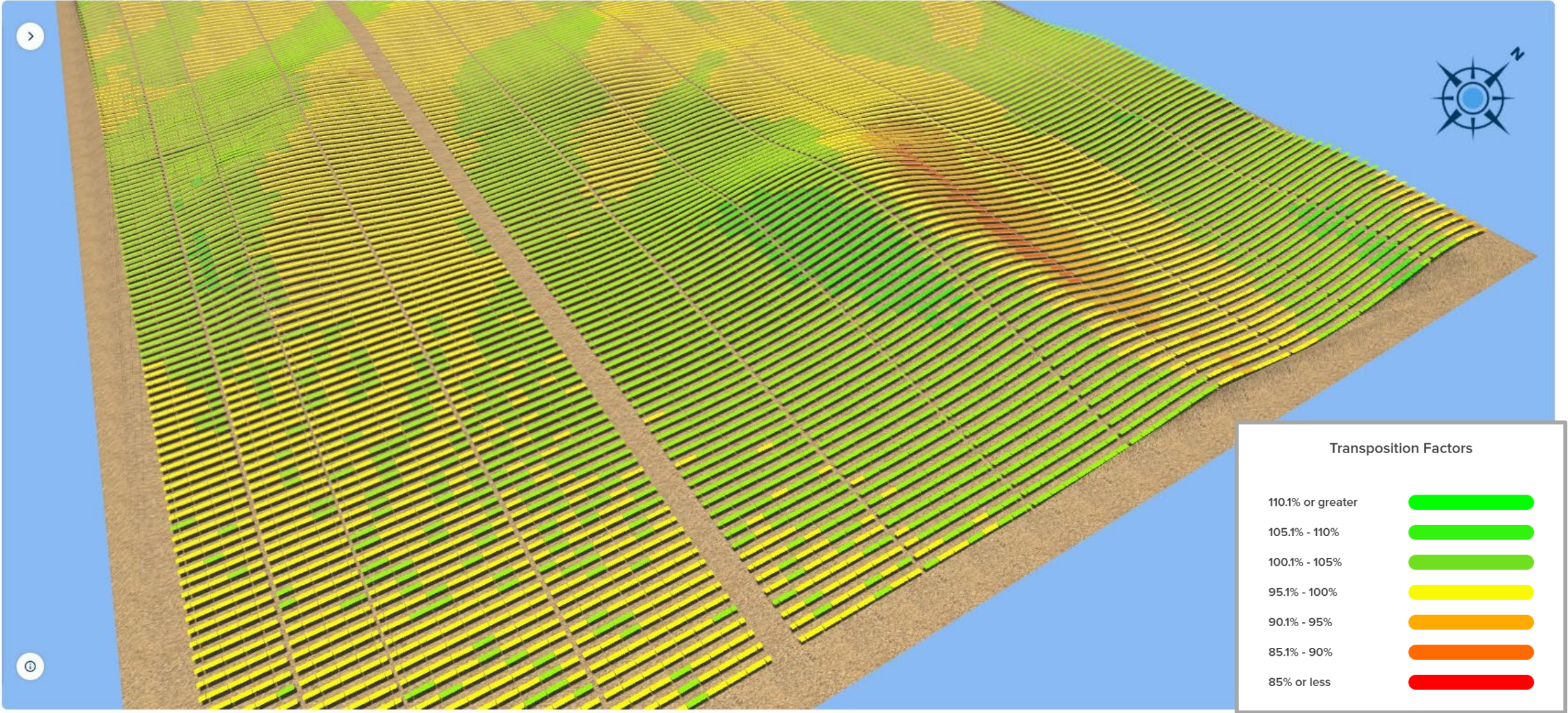
Standard
Backtracking



Terrain-Aware
Backtracking



R&D – 3D Transposition (POAI)



3rd Party Integrations

Weather



+ v4.0



+ Wind Gust Data



+ GHI / DNI Weighting



+ v8



+ NSRDB Time Series thru 2023



Soiling



+ Monthly Soiling Losses

Racking



+ Irradiance Optimization

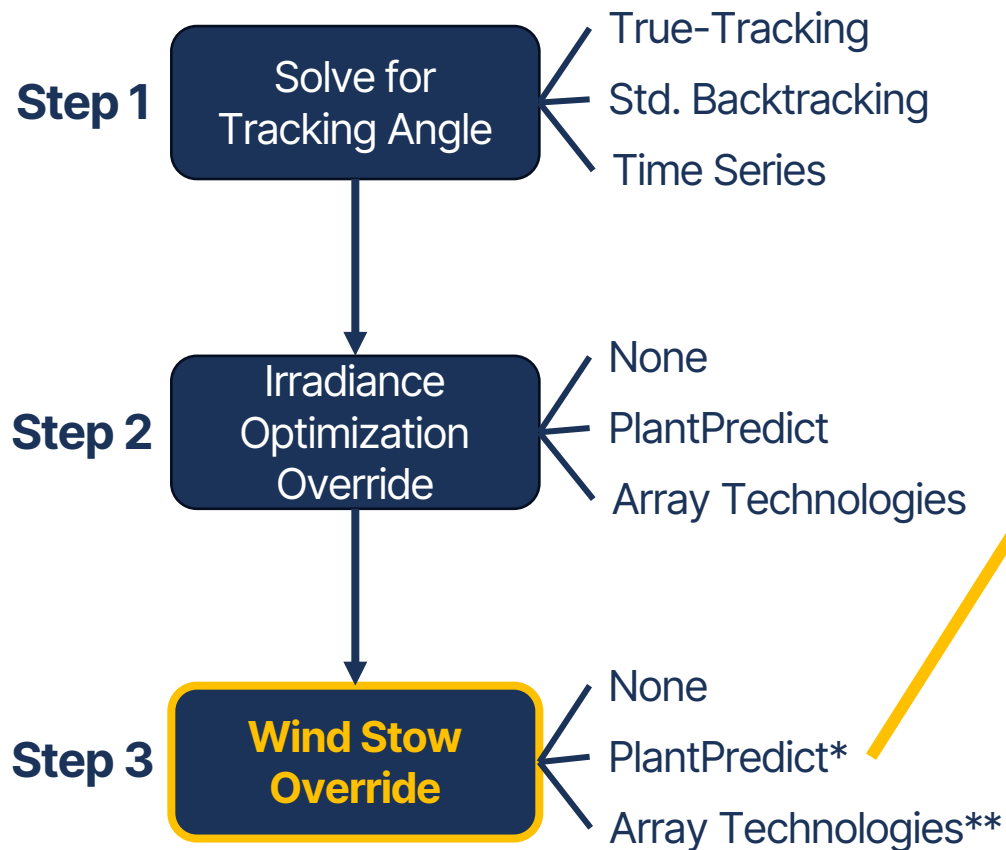
+ Wind Stow

GIS



Wind Stow Models

NEW



* Requires Wind Gust Data in weather file

** Requires Wind Gust and Direction Data, <=5min interval, Array API Key

Mounting Type Fixed Tilt Tracker		Tracking Method ⓘ True-Tracking		Rotational Limits (Degrees) - 60 ° + 60 °	
Wind Stow Model ⓘ PlantPredict		Wind Gust Threshold 15 m/s		Wind Stow Angle ⓘ 0 °	
GCR 40	Row Spacing 5.75 m	Post Height 1.5 m	Night Stow Angle ⓘ 1 °		
Irradiance Optimization ⓘ None					

Mounting Type Fixed Tilt Tracker		Tracking Method ⓘ True-Tracking		Rotational Limits (Degrees) - 60 ° + 60 °	
Wind Stow Model ⓘ Array Technologies		Row Type Interior Row			
GCR 40	Row Spacing 5.75 m	Post Height 1.5 m	Night Stow Angle ⓘ 0 °		
Irradiance Optimization ⓘ None					

General Software Updates

- Dedicated Prediction Servers
 - Dedicated cloud servers for your company's predictions
 - Turn ON / OFF based on computing needs
 - No change to how you interact with PlantPredict
- SOC 2 Compliance
 - Cloud data security, availability and recovery
 - Regular penetration testing
 - Annual 3rd party audit
 - SOC 2 letter of attestation available on request





Thank You

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