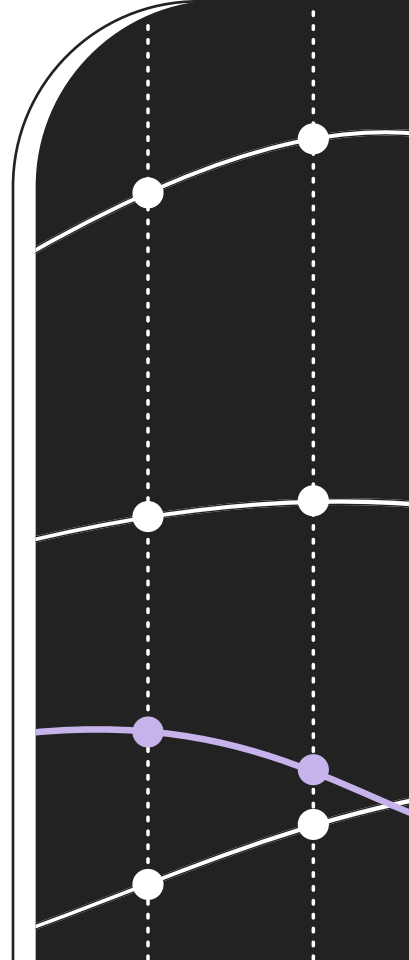# PVcase YIELD

Cloud-based energy modeling software for solar PV systems

PVcase Yield is a cloud-based energy modeling software designed to empower solar engineers and developers in estimating the performance of photovoltaic (PV) power plants with unmatched precision and efficiency.

01 Efficient design optimization

Enables engineers to optimize PV system configurations swiftly, leading to improved project feasibility and success.

02 Maximized precision

Provides precise energy production estimations, crucial for project funding and investor confidence.

03 Streamlined project evaluation

Empowers companies to assess project performance realistically, avoiding over-promises and optimizing profitability.

04 User-friendly interface

Convenient and clear web-based interface that enhances usability and workflow, simplifying operations.

05 Automated calculations + calculations in parallel

Leverage cloud computing for simultaneous calculations, reducing manual workload and boosting productivity.
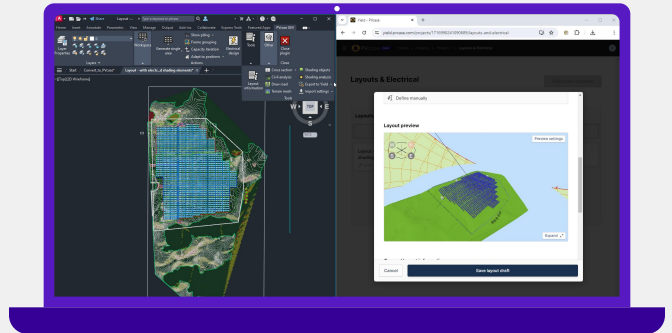
06 Enhanced technology

Use advanced simulation methodologies from Imec for precise incorporation and utilization of terrain complexities within simulations.
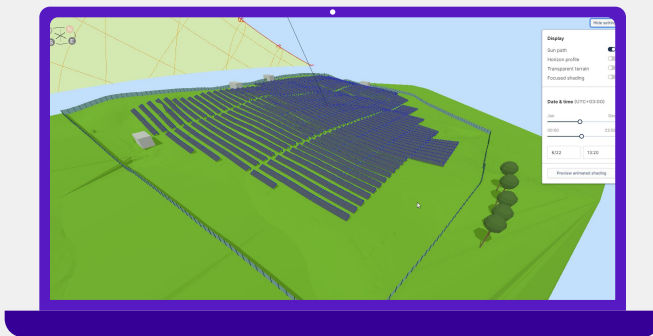
Highlight features

Compatibility with PVcase Ground Mount

Seamlessly integrates with 3D design elements from PVcase Ground Mount for comprehensive project optimization.
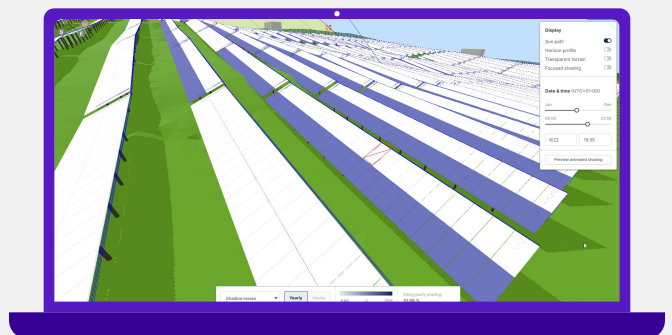

Advanced Simulation Methods

Utilizes ray tracing optical simulation combined with physics-based thermal-electrical methodology for accurate performance estimations.
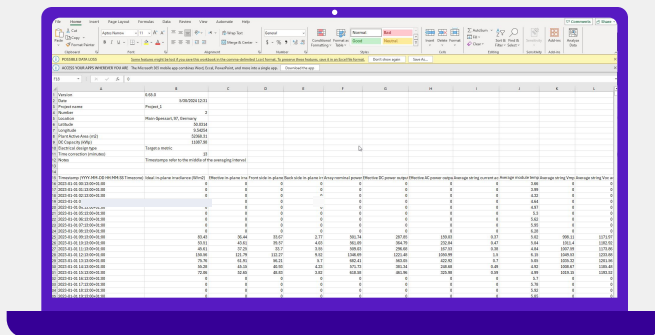
Module-Level Resolution

Provides thermal-electrical modeling at a module-level resolution, ensuring detailed and precise analysis.

Physics-Based Loss Computation

Computes losses using advanced physical models, enhancing the accuracy of energy production predictions.
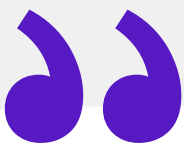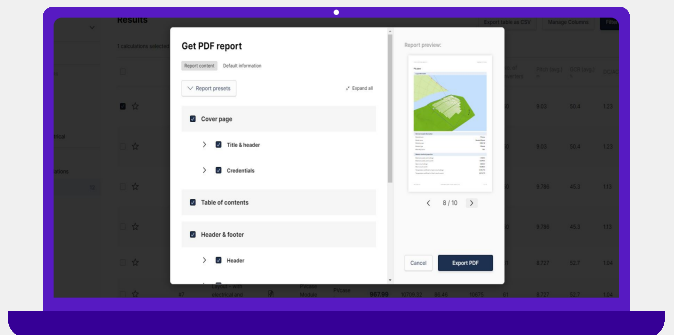

Hourly Simulations

Conducts hourly simulations to analyze performance throughout the year, allowing comprehensive system evaluation.

Customizable outputs of simulation results

Generate customizable simulation outputs in PDF and CSV formats, enabling users to easily analyze, share, and present data in their preferred format.

The fact that **PVcase Yield is directly connected to PVcase Ground Mount** is very easy to check the yield impact of individual designs.