

PULSE ON THE POWER MARKET // SOLAR

Solar Engineering Evolution



Martin Gonzalez

Electrical Engineer / Engineering Manager



2025 GENERATION SYMPOSIUM

History of Solar Engineering Tools

2 0 0 0 s

EARLY DAYS

Owners Engineering and
Engineer Of Record

SOFTWARE TOOLS

 AUTOCAD  **PVSYST**
PHOTOVOLTATIC SOFTWARE

2 0 1 0 s

GROWING

Engineering for EPC

SOFTWARE TOOLS

 **ORACLE**
PRIMAVERA

Power BI 

 ProjectWise®

 SharePoint

T O D A Y

CURRENT STATE

Integrated EPC Designs

SOFTWARE TOOLS

 **AUTOCAD**

PLUGINS

Custom Database
Calculators





Automation of Solar Design

COMMERCIALLY-AVAILABLE TOOLS

PV-Specific Software

AI Agents

 PVComplete

 PVcase

 HELIOS 3D

BMcD CUSTOM-DEVELOPED TOOLS

Solar Electrical Tools

Solar Grading Tools

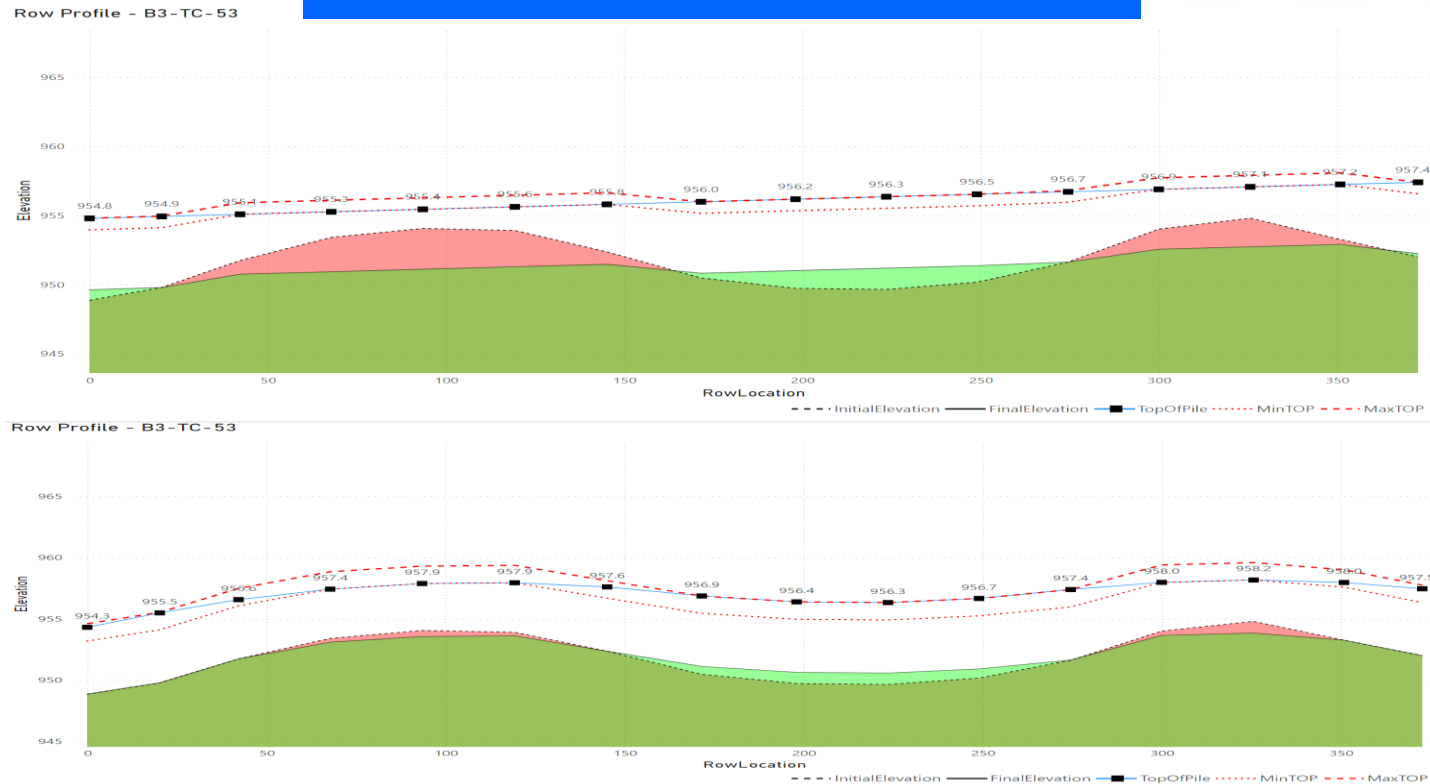
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BMcD Internal
AI Tool



Engineering for Construction

Burns & McDonnell Solar Grading Tools



Saving Time
in the Field



Business Impact

CAD & MODELING

9,000% Faster

ENGINEERING

100s of Hours Saved per Project

CONSTRUCTION

More Data, Available Faster

QUANTITIES

Increased Confidence in Results

Q & A

