



AEDEI
JOB ORIENTED AND SKILL DEVELOPMENT INSTITUTE

SOLAR DESIGN TRAINING INSTITUTE

**(ISO 9001:2008 CERTIFIED INSTITUTE) : NEW DELHI
(SOLAR SOFTWARE)**



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Solar Software

Pvsyst:

PVsyst is designed to be used by architects, engineer, and researchers. It is also a very useful educative tool.

Purpose : Yield Energy Predication, Plant Performance calculation
Coefficient of utilization (CUF), PV Plant Module selection
Inverter Selection, Plant Optimization, Plant Losses Dialy Monthly
yearly enery calculation shadow analysis etc.

Google sketch up:

SketchUp is useful from the earliest stages of Solar Power plant design to the end of construction. Programming, diagramming, design development, detailing, documentation.

Purpose : Site assessment ,shadow calculation and analysis Shadow free Plant design, 3D view for solar power Plant presentation

Solar power plant PV module matrix Pitch calculation , inter row spacing

Meteonorm / Solar GIS /NASA :

Meteonorm provide accurate data for any place on Earth: Irradiation, temperature and more climate parameters are available.

Purpose: Meteo data of Sites like Global irradiation,insulation data diffuse irradiation azimuth meteo data, wind zone for import the file in pvsyst to get accurate predication yield energy.

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Helioscope :

HelioScope, is PV system design tool that integrates system layout and performance modeling to simplify the process of engineering and selling solar projects.

Purpose: Geographical site selection, Plant layout, shadow analysis, Plant performance , inverter and PV module selection, Plant yield calculation, PV plant losses calculation AC side DC Side etc.

Drafting Software :

Drafting software helps create solar power plant 2D drawings faster and with more precision.

Purpose: Plant Layout, single line diagram, Structure design solar power plant components design, Solar power plant Inverter room main control room civil design, road design, Plant trench design of all kind electrical lay outing.



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