InSolare Tracker



ISO certified and MNRE Channel partner

About InSolare

- 100 MW+ Projects completed and under execution
 - ✓ 75MW Utility Scale Projects
 - ✓ 70MW Single Axis Tracker Installed
 - 15MW Rooftop Projects
- Rated Top 20 Company in India
 - Team of 120+ Employees
 - Office Presence Bangalore (HO), Ahmedabad, Delhi
- 50+ Patents, PhD in Solar Technology
 - Specialist in Single Axis Tracking in ground Projects and power Optimization is Rooftop Projects
- Installed Solar Power Plants in >15 states across India







Single Axis Tracker By InSolare – Ground Mount

Total Projects – 70MW With Tracker

Capacity – 70MW Total Trackers – 200+ Across India Hydraulic Actuator Based Tracker Location – Various



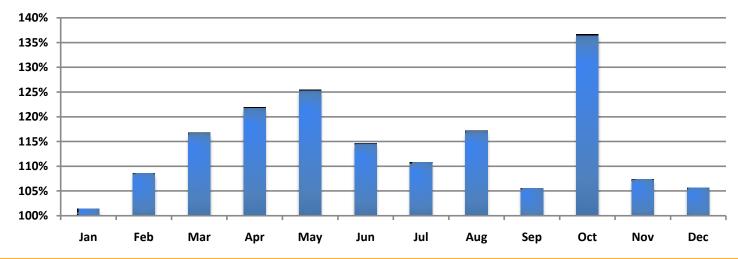




India's Longest Running Single Axis Tracker since 2011



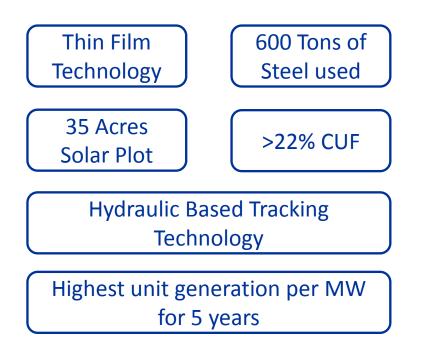
InSolare Tracker Performance over Fixed Tilt



InSolare Energy Pvt Ltd

5MW Single Axis Tracker Plant – Since 2011

- Advance System Single Axis Tracking
- 15-18% Higher Power output
- 99% System Up time
- Plant commissioned in 2011

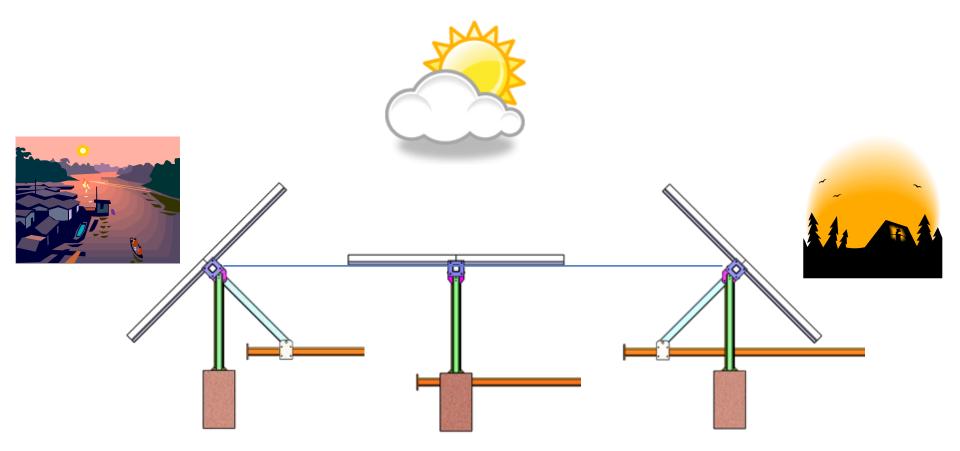




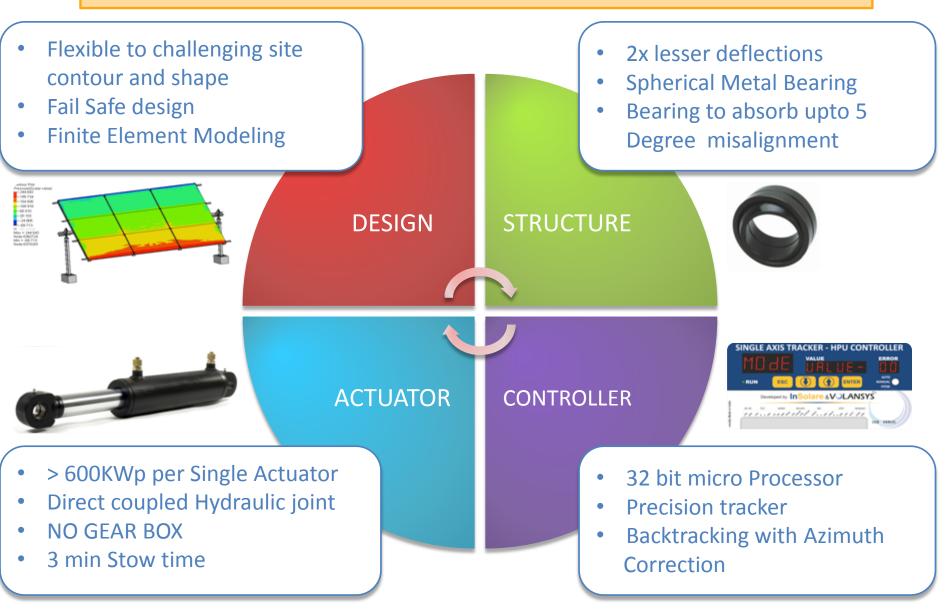




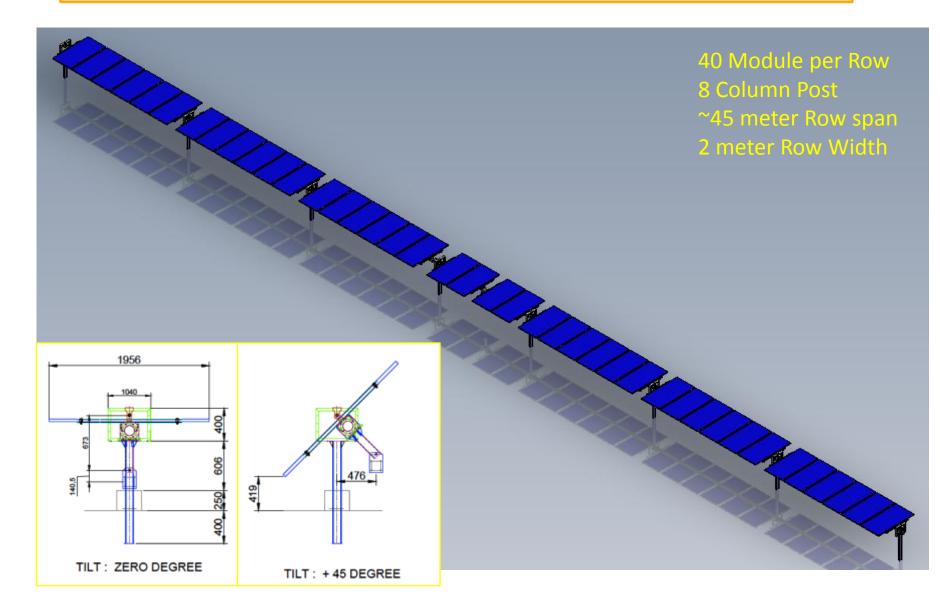
Basic Concept of Tracking



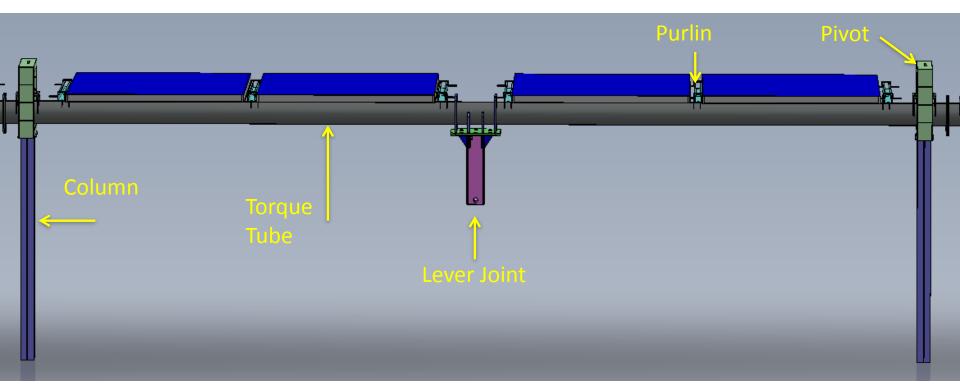
Single Axis Tracker by InSolare



Single Row Assembly Model

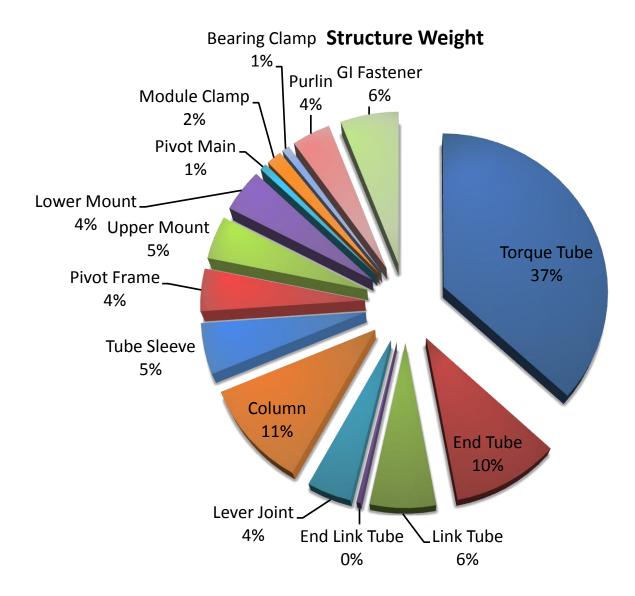


Tracker Components



- 90% Parts are industry standard sections
- 80 micron average Hot Dip Galvanizing parts
- GSM Purlin
- Easy to source and fabricate
- Total 60 Tonne Structure weight per MWp

Tracker Structure Components

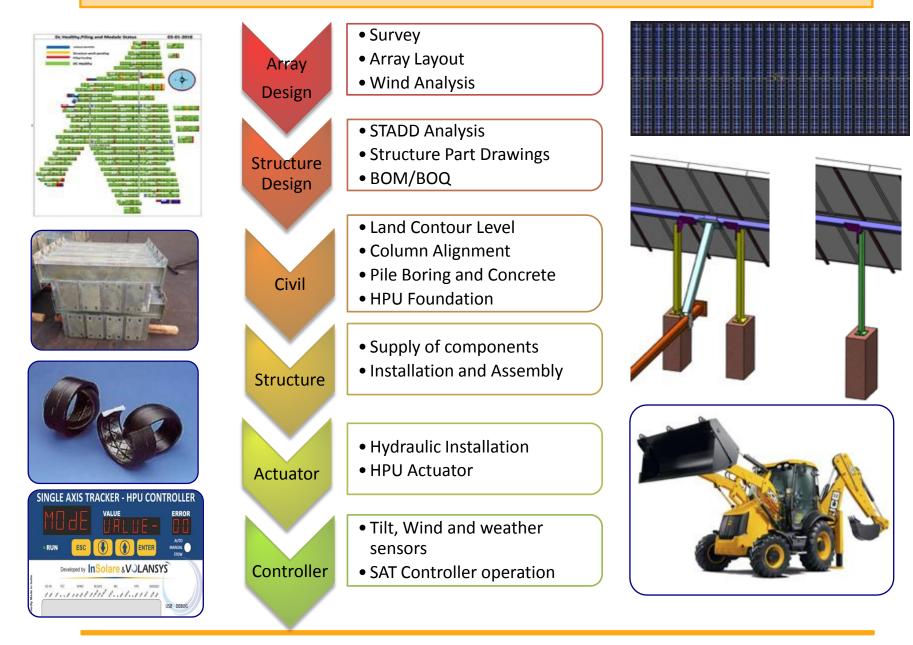


HPU Tracker Operation



Step1: Controller collects tilt angle data from Tilt Sensor
Step2: Controller sends signal to VFD panel to motor turn on
Step3: Controller sends signal to HPU for Solenoid operation
Step4: Motor pumps oil in to cylinder via selected Solenoid
Step5: Cylinder moves piston out or in as per feedback
Step6: Tilt angle changes in Panel which feedbacks to Controller for further action

Turn Key Tracker Supply and installation



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Completed and On going Tracker projects

Thin Film 5MW Karur, Tamilnadu Completed 2016

Poly Crystalline 2.5MW Vadodara, Gujarat Completed 2017 Poly Crystalline 30MW Telangana Completed 2017





Poly Crystalline 1.5MW Tamil Nadu Completed 2016 Poly Crystalline 8MW Karnataka Completed 2017

Poly Crystalline 18MW Telangana Completed 2017



Completed and On going Tracker projects

Thin Film 5MW Kutch, Gujarat Completed 2011 Poly Crystalline 0.5MW Kutch, Gujarat Completed 2015 Thin Film 0.6MW Hyderabad, Telangana Completed 2015















Thank You

www.insolare.com

InSolare Energy Pvt Ltd

Solar Power Unleashed

Solar Engineering EPC Services in India (An ISO 9001:2008 Certified Company)

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