



100% Canadian Owned

German Energy Alternatives Inc. Single Axis Tracker

Incorporated in Ontario in 2004



SOLAR TRACKING SYSTEMS

We offer a variety of innovative solar tracker solutions to meet your company goals for solar power production. Our tracking systems include: Single Axis, Seasonal Tilt and Fixed Tilt.

SOLAR ARRAY DESIGN AND CONSTRUCTION

Our design team will design the most suitable array for your desired application. We look closely at your specific geographic location taking into consideration: Latitude, Local climate conditions, topography and utility grid connections.

ARRAY PERFORMANCE MONITORING AND ANALYSIS

Through our affiliates we utilize real-time network enabled monitoring systems to monitor the performance of our solar arrays. The monitoring provides fault warning in addition to recording real-time performance of the panels and tracking system.

Features & Benefits

- Higher Power Density for Ground mounted solar tracking arrays using Dual axis technology.
- Wind tested to withstand sustained wind loads up to 140 km/hour.
- Simple tracking design using innovative counter balance system provides stability, strength, and reduced force for tracking actuators.
- Unique angle adapted to specific geographic location provides greater power output over that of fixed and single axis arrays.
- Reduced quantity of mechanical and electronic components provides for cost reductions on large arrays.
- Lower number of potential failure points for the tracking components.
- Typical dual axis arrays for a 100 kW system will require up to 25 drive motors, 25 actuators and 25 solar sensors for tracking, the Hybrid SD01 and 02 systems require as few as 4 actuators and 4 solar sensors.



GEA Inc.

Solar Tracking solutions