

**ARMA – MECHANICS**

Listen - Think - Innovate



*SlavoMeccanica Ltd*  
*Trading Innovation*



## *The Efficient* Solar Tracker System



**ValueTrack**, is a noncomplex, proven, and trusted Solar Tracker system. It's a unique choice for your solar project at an astonishing **€ 0.40 / W (average)** pricing. This cost makes it a **highly attractive investment** for all FIT, FIP and Net-Metering projects anywhere in the world, **increasing solar yields by 25% to 40%**.

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### ValueTrack :

- Carries **10 - 12** solar panels in **landscape** layout
- Is available in 1X (East – West) and 2X versions
- Needs **one (1) single motor** for the E-W motion, thanks to the innovative, patented, **ValueDrive** system, that couples the individual poles and converts the **Driving Beam's** linear motion to **240 ° Pole rotation**
- 2X version elevation is achieved by means of centrally operated **hydraulic cylinders**
- Fixed on pre-fabricated concrete blocks, **saving foundations** and ground works
- Cables can run through Driving Beams, **saving underground piping networks**, thus reducing total project cost
- Traces solar irradiance, avoiding useless movements during overcast days
- On average, yields **+ 35%** over fixed tilt and **+ 20%** over horizontal 1X systems

Hot dip galvanized steel frame, certified for **statics** according to EuroCodes 1,3,8  
Integrated **Lightning** protection  
Suitable for **inclined terrains** (up to 10 %)  
Usually, **no Works-Permission required**

**Ideal for Upgrading fixed-tilt installations**

## Technical Data

### **Steel Frame**

Material : Steel St37 hot dip galvanized  
Size : Height 2.1 m, Width 5.1 m  
Weight : 300 Kgr per pole

### **Concrete Blocks**

Material : Reinforced Concrete  
Size : Height 40 cm, Area 2.56 m<sup>2</sup>  
Weight : 2.5 tn

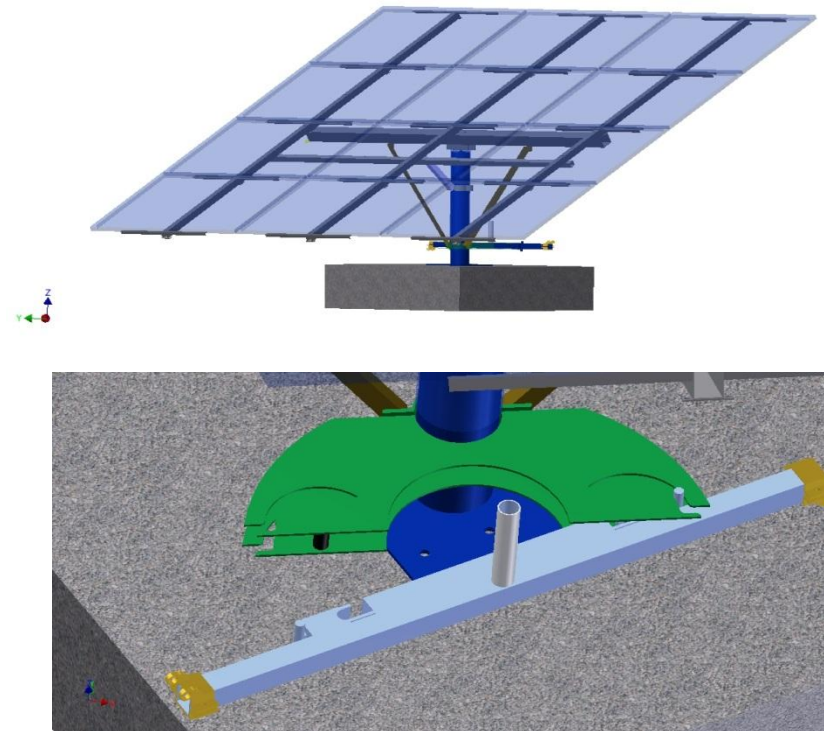
### **ValueDrive System & Driving Beam**

- 2 point conjunction system, converting the Beam's linear motion to 240° Pole rotation
- Cables can run through the hollow Driving Beams
- ±10° Beam's adjustment, allowing installation on sloping terrains

### **Orientation - Motion**

- Maximum irradiance tracing with sensors and MCU
- A single 230 V motor for the whole park.
- Hydraulic, centrally controlled elevation (2X ver)

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### **Investment Facts**

- Unbeatable average **€ 0.40 / W** (1X ver) cost, owed to the innovative ValueDrive system
- Overall project cost reduction on earthworks
- No Works-Permission required in most cases

- **IRR > 50 % on upgrading fixed – tilt FIT installations**
- **IRR > 25 % on new FIT, FIP and Net Metering projects**