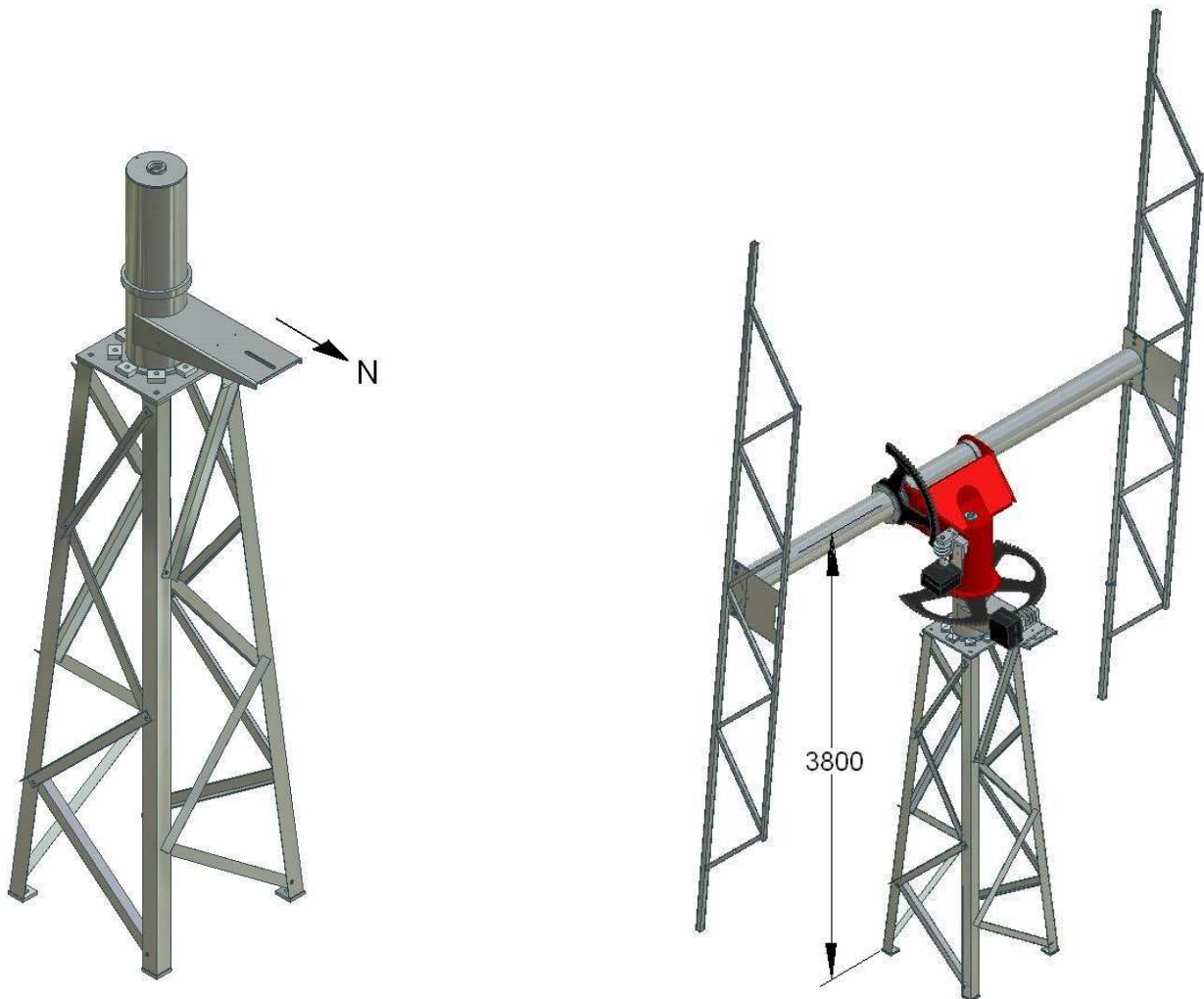




## FEINA SOLAR TRACKER FEATURES, SF45



- Mast that is screwed on a iron or concrete column. (Galvanised)
  - Moving tube that rotates around the mast (Galvanised and painted)
  - Sprocket Module 10, Diameter 1000mm, clockwise movement (steel of high resistance).
  - Sprocket Module 10, Diameter 1000mm, inclination movement (steel of high resistance).
  - Axle, diameter 200 mm, L=3,400 mm, structure inclination. (Galvanised).
  - Two motor sets with their gears, their headless nuts and turn counter switch and protection box (Galvanised and coated with zinc).
  - Two crosswise bars of 7 metres for supporting the transversal bars (Galvanised)
  - An electronic box with the connections for the motors and the micro contact breaker
- It is designed for withstanding winds of 140 km/h with 45 m<sup>2</sup> of panel surface.

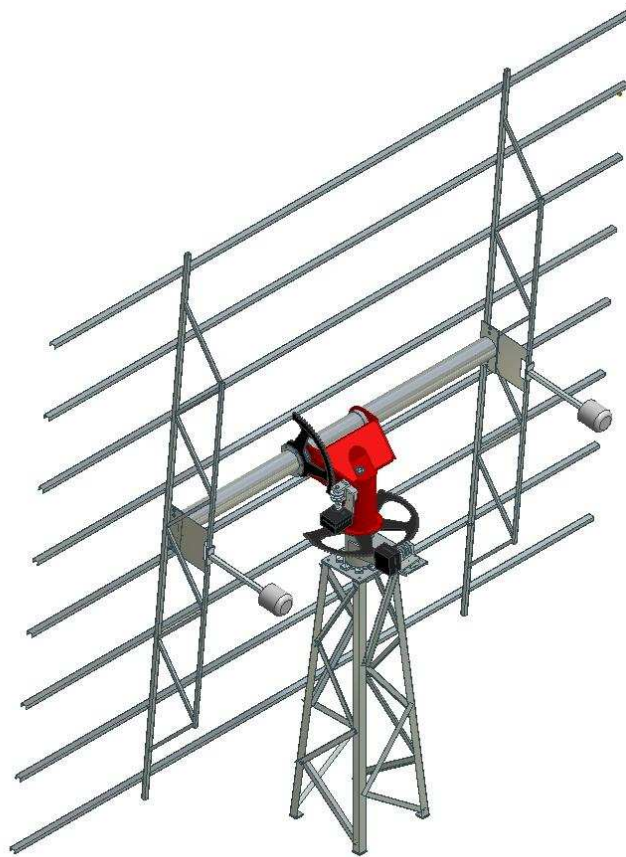
## Functioning:

Once the date, time and location coordinates are entered into the screen, with the buttons, the sun tracker is set.

From this moment on, the tracker is working. Each X amount of minutes (between 1 and 90, according to what has been programmed), it calculates the position and moves the tracker if necessary.

At the moment that the sun sets, in other words, when the inclination of the sun over the horizon is negative, the tracker returns to the east and sets near the horizon again (some 80 degrees regarding the vertical).

At the time that the sun comes up, the tracker goes back to an almost vertical position. From this moment on it carries out its normal daily movement.



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