

Photovoltaic facilities

In the photovoltaic market E&T can provide and cover all the phases from feasibility studies to the final execution project.

The preliminary approach is made by GIS programs, that according to the Gauss Boaga Coordinates of the proposed land allotment allow a preliminary feasibility analysis of costs and benefits of the photovoltaic facility that will be installed.

To achieve such results, it is indispensable analyze parameters like:

- The ground leveling of the potential land allotment.
- The possible presence of elements that may constitute physical risks for the plant such as the proximity to torrents with evident areas of flood risk, landslide risk areas and similar.
- Accessibility to the area of the land allotment.
- Proximity of industrial or similar areas that may suggest the presence of electrical transformer cabins suitable for the needs of the future photovoltaic facility.
- Visibility of the photovoltaic facility from any valuable areas nearby, that could compromise the installation of the photovoltaic plant consequently to a negative judgment from the environmental impact analysis.
- Acquisition of meteorological time series data, by proven reliability agencies, such as those provided by the Meteonorm Switzerland, to better analyze the yields of the photovoltaic plant.
- Investigation on the reactions to the proposed new plant from the proximity community especially in the case of pre existence of other similar plants or wind farms.
- Analysis of the potential productivity of the plant according to the foreseeable orientation of the panels.
- Basic economic analysis
- First site survey after confirming the feasibility study
- First contact with the Authorities and local associations to investigate any resistance to the construction of the facility.

-Field research of the nearest transformer station or in any case of the nearest connection point to the distribution power grid.