PHOTOVOLTAIC SYSTEMS: INSTALLATION – INSPECTION – CERTIFICATION (16 HOURS)

Each PV system includes many complex parameters. The experience has taught that the correct installation such a system **ensures** the investment - both for the investor and the financial institution over time. The seminar focuses on the proper design and installation of a PV system and the installation requirements based on international standards (eg EN 62446:2009).

Aimed at P/V installation's designers, contractors, electrical engineers, mechanical engineers, electricians, bank advisors, insurance advisors and those who would like to gain a comprehensive knowledge of the proper installation of P / V systems.

At the seminar **analyzed** and **presented** the following:

Introduction

• General information about grid connected systems: A brief reference to the current legislation, system's description, requirements of the P/V system
• Note the design process: Statement on parameters that should be considered before the study, statement on problems that arise when studying a system.

Installation of PV Systems

• Detailed reference on inspections should be carried out during installation, operation and maintenance
• Problems that occur during installation and workarounds
• Instructions for proper installation (demonstration of correct and incorrect ways of installation)
• How to install on roofs and land

Certification of PV Installation

• Description of the European standard EN 62446:2009 mentioned in the inspection and certification PV system connected to the grid
• Requirements for the Certified Installations
• Problems that arise during the inspection for certification - workarounds
• Necessary measurements for certification - measurement methods

Precondition to attend the seminar is that individuals should have basic knowledge of electrical installations.