

EUP – Extinguishing fires in Photovoltaic Systems Seminar-No. 30.50.41 1T

There is an increased exposure to electrical hazards when extinguishing fires in buildings with photovoltaic systems. In contrast to a grid system, those modules can't be switched off. Even at a low incidence of light the voltage output is active. Enhanced protection technology such as a fireman's switch may reduce risks but they are only found in a small number of photovoltaic systems. This seminar teaches composition and functioning of photovoltaic systems of different sizes. It illustrates how hazards are not only located in the direct vicinity of a photovoltaic generator but how the lack of knowledge about a building's cable routing is posing a special hazard. During a fire, layman's safeguards such as insulations and covers are often damaged. In order to ensure a safe firefighting- or rescue operation in connection with a damaged photovoltaic system, knowledge and skills in the electrical sector is required. The seminar for EUP (Electronically Instructed Person) closes with an exam. After passing successfully, a certificate is issued which provides the basis for the employer on which to appoint a person. The employer is to adhere operational requirements including the involvement of a responsible skilled electrician (vEFK)

Participants: Firefighters extinguishing fires

Approach:

- ✔ Based on risk assessments for firefighting in the presence of a photovoltaic system, characteristic values regarding existing hazards are determined. These result in required technical, organisational and personal protective measures which are described, taught and trained in practice. These descriptions of measurements focus on hazards of photovoltaic systems. But such fundamental findings can also be transferred to hazards posed by electrical grid-fed low voltage systems.

Certificate:

- ✔ On passing the exam, a certificate as proof of the qualification "Electronically Instructed Person" according to VDE 1000-10 – special field of extinguishing fires in photovoltaic systems up to 1000 Volt is issued. This certificate proves the fire fighter's competence.

Services:

- ✔ Theoretical and practical lessons, exam and certificate
- ✔ Seminar documents including flow charts and work instructions
- ✔ Registration of EUP-Qualification in safety passes

Start: by arrangement

Completion: 1 day at 8 lessons from 9:00 to 16:00

Price:	1 participant	900,- €	per participant	900,- €
	2 participants	1.200,- €	per participant	600,- €
	3 participants	1.500,- €	per participant	500,- €
	4 participants	1.800,- €	per participant	450,- €
	5 participants	2.000,- €	per participant	400,- €
	6 participants	2.100,- €	per participant	350,- €

As of 6 participants the rate for any additional participant is 350,- €. Rate discounts (lower rates for higher number of participants) are referred to per company or per quote. All offers are Net of VAT.