

EFFT – windpower plants – set-up of construction zones Seminar-No. 30.60.34 2W

Various activities for setting-up of construction zones / -sites regarding containers, pitches, perimeters and warning signs are complemented by the EFFT (electronically skilled person for specific tasks) seminar under electrical aspects. From the start earth termination systems have to be set up, containers have to be earthed and the electrical power supply by power generators and site power supply distributors have to be certain. These activities which are usually conducted by the electric operation division or by external electrical firms, might become relevant to staff setting up the construction site. Members of staff are being trained for these assignments and in a work sequence will be able to smoothly meet electrical requirements. The seminar ends with a written as well as a practical exam. Upon passing this successfully, a certificate will be issued. This will provide the basis upon which the employer can issue work assignments. Operational requirements including health and safety regulations (BetrSichV) and for the qualified person, this includes the TRBS 1203 which have to be taken into account.

participants:

- ✚ staff setting-up the construction site

reference to norms:

- ✚ IEC 60364-4-41 / DIN VDE 0100-410 – electrical shock protection
- ✚ IEC 60364-6 / DIN VDE 0100-600 – electrical systems inspection
- ✚ IEC 60364-7-704 / DIN VDE 0100-704 – construction site requirements
- ✚ DGUV-I-203-006 – mobile electrical equipment on construction site
- ✚ DGUV-I-203-032 – spare power generators on construction site

theory:

- ✚ qualification levels and responsibilities according to BetrSichV, TRBS, VDE and DGUV
- ✚ basics of electronics and electrical shock hazards
- ✚ technical maths for electrical basic parameters U, I, R, P and W
- ✚ the 5 safety rules and the use of personal protection equipment
- ✚ requirements for electrical systems on construction sites and assembly areas
- ✚ set-up, cable installation and testing of electrical equipment on the construction site

practice:

- ✚ assembling wire end clips, crimp products and cable lugs
- ✚ attaching a shrink-on sleeve and cast resin sleeve to power lines
- ✚ confirmation of no voltage, testing for correct voltage and voltage testing
- ✚ setting-up earth termination systems and connecting the equipment
- ✚ starting-up power generators, site power supply generators and light towers
- ✚ test sequences using the fluke 1654 and the Gossen Metrawatt Xtra including issuing a protocol

start: by arrangement
 duration: 90 lessons
 completion: 10 days at 9 lessons each from 9:00 to 16:00

price:	number of participants: 1	8.000,- €	cost per person:	8.000,- €
	number of participants: 2	8.600,- €	cost per person:	4.300,- €
	number of participants: 3	9.300,- €	cost per person:	3.100,- €
	number of participants: 4	10.000,- €	cost per person:	2.500,- €
	number of participants: 5	11.500,- €	cost per person:	2.300,- €
	number of participants: 6	12.500,- €	cost per person:	2.100,- €

As of 6 participants the fee for any further participant is 2.100,- €. Rate discounts (lower rates for higher number of participants) are referred to per company or per quote. Offers are Net of VAT.