

## EFFT - windpower plants – set-up of construction zones Seminar-No. 30.60.1400 - first week basic education 1W - EN

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.

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

start: by arrangement  
 duration: 45 lessons  
 completion: 5 days at 9 lessons each from 9:00 to 16:00

price:	number of participants: 1	4.400,- €	cost per person: 4.400,- €
	number of participants: 2	4.800,- €	cost per person: 2.400,- €
	number of participants: 3	5.400,- €	cost per person: 1.800,- €
	number of participants: 4	6.400,- €	cost per person: 1.600,- €
	number of participants: 5	7.500,- €	cost per person: 1.500,- €
	number of participants: 6	8.400,- €	cost per person: 1.400,- €

As of 6 participants the fee for any further participant is 1.400,- €. Rate discounts (lower rates for higher number of participants) are referred to per company or per quote. Offers are Net of VAT. This is not a completed training course for the EFFT. Please note for completeness the second week with specialized education including examination acceptance.