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Electrical fitter (assistant)

Description

An electrical fitter (assistant) sets up and maintains installations and low-and high-voltage power grids. An electrical fitter also sets up distribution cabinets and special grids for protection from electric shock, maintains transformer and command substations, transmission lines and other power systems. Electrical fitter's job description includes also preparation works such as tools preparation, cable and conductor transport; making of cable wireway which includes cable and conductor laying, stretching and tightening); development of low-voltage network, including climbing the poles, removal of the old network, testing of absence of voltage and installation of grounding; lifting and assembling on the pole, connecting a user to the network and setting up a public lighting. Also, part of activities includes relocation of metering points, i.e., wiring of cabinets at metering points and replacement of electricity meter boxes. An electrical fitter-assistant uses in his work different tools (screwdrivers, stripping tools for external insulation, presses, electrical pliers, hammer, drilling machine, hand saw, wiring tools, climbers for reinforced concrete poles) and measuring devices (universal digital measuring gauge, line voltage indicators). Personal protective equipment use is mandatory: protective clothing and footwear, hard hat, harness, gloves and climbers. The electrical fitter assistant's job requires working at height and with high voltage, therefore the work procedures are very strict.

The electrical fitter's job is performed in the field, majority of which is done outdoors, while less indoors. They often work on weekends and holidays regardless of whether condition. This job includes physical activities of standing, climbing, lifting, tugging, work at height and exposure to all weather conditions. There is a risk of mechanical injuries, high voltage injuries and fall risks.

Desirable traits/requirements

- Manual dexterity
- Agility and physical endurance
- Good sight and precision, readiness to work at height
- Sense of shape and proportion
- Visual imagination
- Spatial orientation
- Healthy musculoskeletal system
- Responsibility and reliability
- Being well-organized and team-oriented

Positive aspects:

- The electrical fitter assistant's job is highly responsible, but also very versatile and thanks to his work households receive electricity. Majority of work is conducted outdoors and in a team.

Negative aspects:

- The job is physically demanding and requires work on weekends and holidays as well as in all weather conditions. They usually work in standing position, and their work also requires climbing and work at height. A great caution is required when working at electrical networks and using tools.

Career path/ fields of work

The electrical fitter assistant's job requires completion of a three-year secondary vocational education for the occupation of an electrical fitter of networks and plants, i.e., non-formal training program lasting minimum 960 hours.

Individual competences for electrical fitter assistant's job can also be acquired through shorter non-formal trainings.

Electrical fitter assistants work in power industry, in public or private companies and services.