

Electrical safety in the worksite

Electrical safety in the worksite includes work with electrical hazards and is associated with the working methods "Lockout - tagout" and "Overhead and underground services".



Background

The risks of electrical work can easily lead to serious accidents and even death.

Examples of accidents during electrical work at Skanska's worksites are electric shocks when live wires are cut and arcs in connection with excavation work..

Electrical hazard work

Non-electrical work can also pose an electrical hazard. For example, excavation work in the vicinity of electrical wiring or installation work in switchgear may also present an electrical hazard that must be considered.

- Respect safe distances to electrical wiring
- Ensure that the facility is without power and cannot be reactivated, for example by performing Lockout - tagout
- Confirm or request the marking out of underground lines

Organisation and planning

- If your company is to carry out work that is classed as electrical installation work, you need to be registered for the right type of work with the National Electrical Safety Board and have a self-inspection programme.
- You also need to appoint an Electrical Safety Manager if the work involves any electrical hazard
- Even if the work is not electrical installation work, non-electrical work can also pose an electrical hazard.
- For all electrical hazard work, you also need to plan your emergency response and first aid to deal with a possible electrical accident

Safe execution

- Carry out a special risk analysis for work involving electrical hazards.
- Appoint an electrical safety manager with the right skills for electrical hazard work
- Perform self-monitoring at work so that the electrical installation remains safe and complies with the applicable standards
- Continuously check that all machines, tools and cables used are in good condition and undamaged
- Do not modify or interfere with an electrical installation without the approval of the person responsible for the Electrical installation

Other requirements that may also apply

See the requirements "Overhead and underground services" and "Lckout - tagout" for more information about what may be required for safe work.

The developer can also impose additional requirements for, among other things, training and qualifications.