

Projecting electrical networks

In this course principles of projecting energy balances are given. For decide this problem analysis of energy generation and consuming is made, lading and its cover grafics and its regulation are inspected.

The project calculations for finding line sections and principal positions for substation functionation are shown.

Expect that, the significal attention is allotted to principal positions of projecting distant transmissions with voltage 330-1150 kv: construction specialitys, fase construction selection, advancement of passing ability and static stability with analysis of line parametres, corona losses and charging power.

In total course «Projecting electrical networks» directs to resive knowledges, abilityes and customs for projecting reality objects with technical literate dessisions.

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In this course principles of projecting different nomination networks are given, also separate questions connected with energy systems (selection voltage, schemes of delivery the power from electrical stations, schemes networks with connection substations, network schemes of local nomination) are inspected.

Significal attention is allotted to project accounts, stady the quality of electrical energy and the means for guarantee necessary quality.

Expect that, project specialitis of systems electrical supplay sity, settelment and industry districts, electrical railways and leading petroleum and gas leadings are inspected.

In total course «Projecting electrical networks» directs to resive knowledges abilityes and customs for projecting reality objects with technical literate dessisions.

The theoretical positions of course are confirmed by practical accounts and course project.