

Combination of design and manufacturing works is a competitive position of CHETA. It allows to act with urgency, bringing to life various ideas and effective project solutions. CHETA LLC is a member of "Association of organizations performing design work in the oil and gas industry "Inzgener-proektirovshik (IPSRO)" (license of selfregulatory organization CPO-П-125-26012010). Design department uses 2D and 3D modeling based on AutoCAD Autodesk, ASKON Kompas.

The main direction in the field of integrated design is development of design and detailed documentation with its further technical assistance for new construction activity, reconstruction, technical re-equipment and full repair activities.

Electric power design work is carried out for:

- industrial companies (oil and gas industry, metallurgical, chemical, machinebuilding, the railway complex and others);
- energy companies (electrical grids, generating companies and others).

We perform general designer's functions; have permit to work on the most dangerous sites. We use licensed software of leading companies in our activity. The company has licenses and certificates for design works of Russian and international standards.

At the stage of pre-design works we offer:

- development and coordination of terms of reference with the customer;
- prefeasibility studies at the facility;
- pre-design works and optimization of technical and economic indicators;

At the stage of design works we carry out:

- designing of power electric equipment;
- architectural design;

- designing of linear power supply facilities (overhead power line, underground power cable, aerial cable line etc.);
- designing of secondary systems (relay protection and emergency controls, emergency events recorder, warning systems etc.);
- designing of automated metering systems (automatic process control system, information acquisition & transmission system, etc.)
- designing of communications systems (high frequency, fiber optic link and etc.);
- designing of safety instructions, environmental conservation, environment impact assessment;
- designing of control power and uninterruptable supply systems;
- documents support in government or non-government, industrial safety expert reviews.

At the working stage we prepare:

- working drawings of minor components of the main sections of project;
- specifications, cost sheets and tender documentation of the main sections of project.

At the stage of construction:

- supervision of construction works, monitoring of quality and volume of installation works;
- making amendments to previously issued drawings, conformation of deviation from the design.

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