

MECHANICAL:

- ✓ Preparation of process equipment for inspection/repair and repair - blinding, opening/closing, cleaning of internals, demounting/reinstalling, preparation for inspection according to inspection schedules, welding (CS, SS, CrMo), heat treatment of welding seams, pneumatic/hydraulic testing;
- ✓ Preparation of process piping for inspection/repair and repair - blinding, demounting/reinstalling, welding (CS, SS, CrMo), heat treatment of welding seams, pneumatic/hydraulic testing;
- ✓ Extraction/installation of heat exchanger/cooler tube bundles, high-pressure cleaning;
- ✓ Cleaning of equipment and piping, heater coil pigging;
- ✓ Preparation of heaters for inspection/repair and repair - blinding, opening/closing, burner demounting/reinstalling, repair of coils, tube sheets, hangers/supports, dampers (mounting/demounting works, welding (CS, SS, CrMo), heat treatment of welding seams, pneumatic/hydraulic testing);
- ✓ Heater convection coil external dry cleaning, soot-blowing, heater cleaning;
- ✓ Demounting/installation/designing/fabrication of structural steel;
- ✓ Demounting/installation of pipework and fittings (valves, PSVs, control valves, orifices, etc.);
- ✓ Repair, testing, functional checks of pipework and fittings (valves, PSVs, check valves, etc.);
- ✓ Workshop machining (cutting, turning, grinding, welding, drilling, turning, cutting gaskets, etc.);
- ✓ Fabrication of Furmanite type clamps, their installation on piping and equipment, filling the installed clamps with sealing compounds (Petroseal, Furmanite);
- ✓ Daily control of quality of mechanical installation and repair works (during large scale installation and/or repair works);
- ✓ Repairs of pumps, compressors, fans, air coolers, reducers;
- ✓ HVAC inspection, cleaning, repair, testing, designing, upgrade, installation;
- ✓ Inspection, verification, repair and painting of rail tank cars;
- ✓ Repair, cleaning of heat recovery boilers and preparation for inspection;
- ✓ Inspection, repair, testing valves, replacement of packing, including in-line valve repair and inspection services (the Power House).

CIVIL:

- ✓ Preparation of equipment for painting, anticorrosive coating, painting;
- ✓ Installation of refractory, fireproofing;
- ✓ Inspection and repairs of stacks including lighting and lightning protection;
- ✓ Suction of water, domestic and industrial waste water (polluted with oil products) from wells;
- ✓ Installation/repairs of underground communications (water, firewater, sewer piping);
- ✓ Plumbing works (heating stations, water supply, sewers);
- ✓ Suction of water, domestic and industrial waste water (polluted with oil products) from wells;
- ✓ General construction works.

ELECTRICAL:

- ✓ Inspection, repair, measuring, testing of 6 kV switchgears;
- ✓ Inspection, repair, measuring, testing of 110 kV and 6 kV switchgear relay protections and automation;
- ✓ Inspection, repair, measuring, testing of 0.4 kV transformer substations;
- ✓ Inspection, repair, measuring, testing of 0.4 kV power control cabinets;
- ✓ Inspection, repair, measuring, testing of 0.4 kV ALT, AFC;
- ✓ Inspection, repair, measuring, testing of lighting, power and control network, lightning protection, grounding at process facilities (Ex design);
- ✓ Inspection, repair, measuring, testing of lighting, power and control network, lightning protection, grounding outside of process facilities;

- ✓ Inspection, repair, measuring, testing of power electronics equipment (excitation systems of el. motors, generators, UPS, FC, DC panels, accumulator batteries);
- ✓ Inspection, repair, measuring, testing of 6 kV and 110 kV power transformers, measuring, testing and analyses of transformer oil;
- ✓ Inspection, repair, measuring, testing of 110 kV air lines, their structures, restoration of anticorrosive coating;
- ✓ Troubleshooting, inspection, repair, testing of motor operated valve actuators;
- ✓ Electrical measurements, testing, 0.4 kV and 6 kV cables, identification of fault locations;
- ✓ Repairs of 0.4 kV and 6 kV power cables (installation of couplings);
- ✓ Repairs of 0.4 kV and 6 kV electric motors (Ex design);
- ✓ Electric equipment installation at process facilities (Ex design), electric substations and outside of production area;
- ✓ Installation, repair, troubleshooting of electric heating at process facilities (Raychem);
- ✓ Inspection, repair, installation/demounting of air conditioning systems (domestic and industrial), performance of operator functions of these systems, designing;
- ✓ Consulting on power supply, reliability issues;
- ✓ Engineering of electrical equipment/facilities.

AUTOMATION WORKS AT PROCESS FACILITIES:

- ✓ Inspection, repair, fabrication of orifice plates;
- ✓ Inspection, testing of protective sleeves (temperature measurements);
- ✓ Inspection, repair, testing of control and shut-off valves;
- ✓ Inspection, repair of measuring instruments (L, F, P, dP, T), manometers, transmitters;
- ✓ Inspection, repair of secondary instruments (automatic recorders, controllers, etc.);
- ✓ AST/QAL2 verification and certification of CEMS;
- ✓ Installation of automation at process facilities, loop checks;
- ✓ Installation of process facility automatic control systems (DCS/ESD, PLC);
- ✓ Development / programming works for process facility automatic control systems (DCS/ESD type: Foxboro I/A and Triconex, Emerson DeltaV/SIS; PLC type: Schneider Electric, Siemens);
- ✓ Engineering of automation systems/equipment.

DIAGNOSTICS:

- ✓ Technical inspection of PHE;
- ✓ Technical inspection of tanks, heaters, boilers;
- ✓ Input of pressure vessel RBI data;
- ✓ Technical inspection by NDT - UT, AE, RT, etc.;
- ✓ Inspection of heat exchanger/cooler tube bundles by eddy current method;
- ✓ Determination of remaining service life of process units;
- ✓ Technical inspection of rail tank cars.

OTHER:

- ✓ Erection/demounting of scaffolding, installation/removal of insulation, tin works;
- ✓ Spec. machinery services – lifting of people and goods (truck cranes, cherry-pickers), cargo transportation services (forklifts, trailers, etc.);
- ✓ Mechanical, civil, electrical, automation designing works (for process facilities);
- ✓ Maintenance and repair of the buildings and engineering systems of gas stations;
- ✓ Maintenance and repair of oil catchers and biological treatment facilities;
- ✓ General contractors for construction of new gas stations, reconstruction, modernization of gas stations;
- ✓ General designers for construction of new gas stations, reconstruction, modernization of gas stations.