



**JSC “Engineering and Technology  
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**The list of works carried out by department of boiler and water treatment plants at  
JSC "E&TE "Ukrenergochermet"**

1 Technical supervision and commissioning works during the start-up of steam and heating boilers, TPP, TPP-TBS.

2 Technical supervision of erection and commissioning of steam and hot water boilers, heat recovery boilers (utilization and energy) in conjunction with auxiliary equipment (fans, smoke exhausters, pumps, etc.).

3 Ecological and thermal tests of steam and hot water boilers, waste heat boilers.

4 Start-up and adjustment works of water treatment equipment.

5 Water-chemical tests of steam and hot water boilers, waste heat boilers, deaerators, filters and other water treatment equipment.

6 Technical supervision of erection, commissioning works at furnaces of various technological purposes (metallurgical, blast furnaces, etc.).

7 Technical supervision of erection and commissioning works during the start-up of burners for boilers, furnaces with the combustion of various types of gaseous, liquid and solid fuels and their mixtures.

8 Drawing up water, steam balances of energy shops of metallurgical and other plants.

9 Technical supervision of erection and commissioning works during the commissioning of steam and water cooling systems for furnaces (metallurgical, blast furnaces, etc.) and process units.

10 Technical supervision of erection, start-up and commissioning works during the start-up of cooling systems of blast furnaces, air heater valves.

11 Technical supervision of erection and commissioning works during the start-up of air heaters, economizers, heat exchangers, boilers, pumps and other heat and power equipment.

12 Thermochemical tests of boilers and auxiliary equipment to establish standards for optimal water-chemical regime.

13 Determination of technical and economic indicators and the establishment of optimal operating conditions for steam and hot water boilers, waste heat boilers, taking into account the technological conditions, the lowest possible unit costs of fuel and emissions of air pollutants.

14 Adjustment of the heating mode of steam or hot water boilers to ensure high-quality combustion of solid, gaseous, liquid fuels and their mixtures under different loads with an exposure to nominal steam parameters.

15 Provision of technical assistance for the operation of steam and hot water boilers in order to improve technical and economic performance and increase the level of boilers operation.

16 Provision of technical assistance in the overhaul of boiler units and other power equipment in order to improve the quality of repairs and increase the turnaround time.

17 Compilation of pipelines operational schemes and operating instructions for main and auxiliary equipment of TPP, in order to increase its level of operation.

18 Development of instructions for the operation of steam and water-heating boilers and other power equipment in order to increase their reliability, service safety and the level of operation of boilers, TPP, TPP-TBS.

19 Preparation of datasheets for burner devices.