

References

Most relevant project

Project: IPA Project 2008 "Environmental Protection in the Power Sector of Serbia" - Solving the Problems of Electrical Appliances Filled with PCB Oils in EPS

Year: 2015 – 2018.

Client: Power System of Serbia

Location: Serbia

Main project features: PCB decontamination of 104 power transformers was conducted of low, medium to high voltage level (6/0.4, 10/0.4, 35/10 and 110 kV, from 0.16 MVA to 31.5 MVA) using the process of oil dechlorination in mobile plant applying EEINT to patented technology. The process was applied at the wide range of PCB concentration in the oil, from the 50 mg/kg to the 1339 mg/kg.

Project: Decontamination of 225 power transformers filled with PCB oils in JP "Elektroprivreda Srbije", Elektrovojvodina Regional Center

Year: 2015 – 2016.

Client: Power System of Serbia

Location: Serbia

Main project features: The aim of this project was to solve the problem of electrical equipment filled with PCB oils and with mineral oils contaminated with PCB in Elektrovojvodina Regional Center in accordance with the requirements of domestic and international regulations. Decontamination of 225 power transformers of 20/0.4 kV voltage was successfully performed. The process was applied at 80.305 t contaminated equipment, which were intended for reuse.

Project: PCB INVENTORY: Preparation of Environmentally Sound Management and Final Disposal of PCBs Project in Republic of Serbia 100306

Year: 2017.

Location: Serbia

Client: UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION

Main project features: Preliminary inventory of PCB contamination was made. Oil samples were taken from 307 power transformers in state owned companies in non-energy sector filled with mineral insulating oils and analyzed for the presence of PCB.

Project: Environmentally sound management and final disposal of PCB in Republic of Serbia, UNIDO Project No: 100313

Year: 2018-2019

Location: Serbia

Client: UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION

Main project features: Within this project Electrical Engineering Institute Nikola Tesla, Laboratory for oil and paper testing, made the inventory on PCB testing of 1100 transformers. Owners of transformers have been trained for sampling and on-site testing of oil on PCB content using PCB kits. Total number of on-site tested transformer oils was 1100. Samples with positive results obtained by test kits and Dexil L2000 DX measurements were subjected to Quantitative analysis, using Gas chromatograph „Agilent“ 7890B series, with Electron Capture Detector, according to Standard 61619:2010.

Project: Decontamination and Where Required Final Disposal of at Least 347 tons of PCB Equipment and Amendment 1-3.

Year: 2020-2023

Location: Serbia

Client: UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION

Main project features: Decontamination of PCB contaminated transformers which are to be returned to service and decontamination of PCB contaminated end of life transformers for final disposal.
