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# MOBILE UNIT FOR PCB DECONTAMINATION, CORROSIVE SULPHUR REMOVAL AND OIL REGENERATION

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## Treatment of contaminated equipment is

performed on site by INT mobile unit using patented technology (RS 53510 „Process for simultaneous removal of polychlorinated biphenyls, anticorrosive desulphurization and regeneration of mineral insulation oils,,).

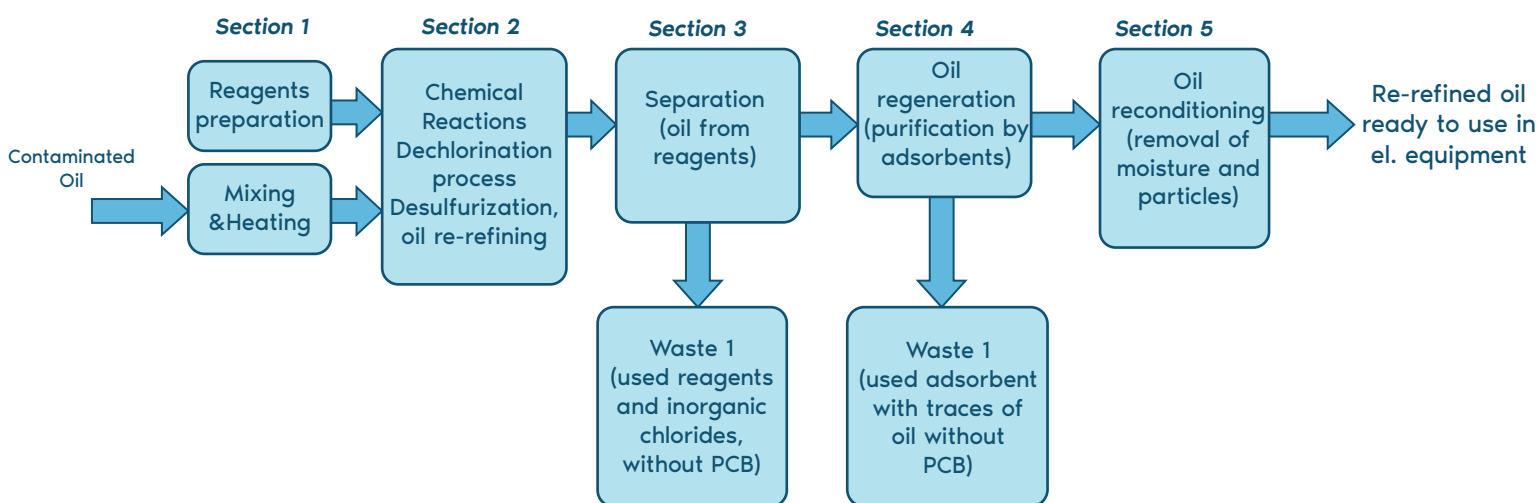
INT technology complies with the requirements of **Best Environmental Practice** (BET) and **Best Available Technology** (BAT).

After decontamination and corrosive sulphur removal, PCB free and non-corrosive regenerated mineral oil is ready for use in electrical equipment and meets requirements of international IEC Standards.

## INT technology ensures following oil characteristics:

- PCB < 2 mg/kg
- Corrosive sulphur (DBDS) < 5 mg/kg

**Capacity of mobile unit:** 1500 – 2500 kg oil/day



In the past 8 years a number of power transformers of low, medium and high voltage level in hydro and thermal power plants, distribution and industry have been processed:

- More than 2400 t of PCB contaminated equipment (600 t PCB contaminated oil), i.e. 427 power transformers
- More than 1000 t of equipment with corrosive oils (250 t corrosive oils), i.e. 46 power transformers

## Reference list:

Elektroprivreda Srbije, AD Elektromreža Srbije, HBIS Group Serbia Iron Steel d.o.o, HIP Petrohemija Pančevo, Tarkett d.o.o. Bačka Palanka, Soja Protein d.o.o. Bečej, Valjaonica bakra Sevojno, Metalac FAD d.o.o, Stamenković d.o.o. Bela Crkva, Metalfer Steel Mill doo Sremska Mitrovica, Edex doo Beograd.



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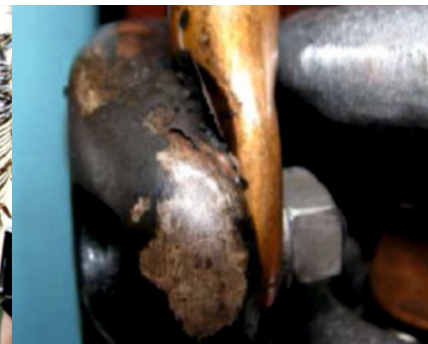
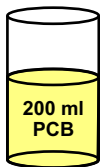
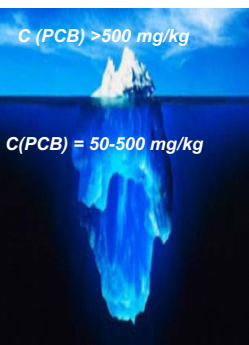
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INT process enables:

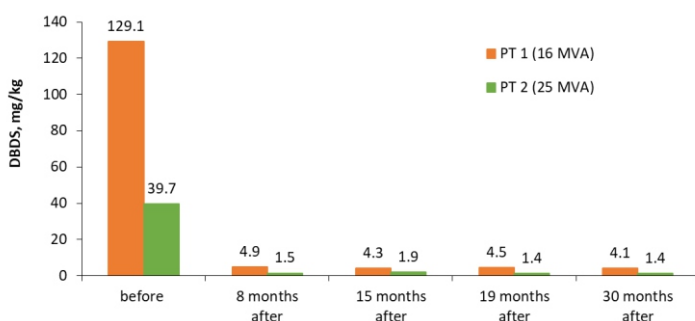
- Power transformers lifetime extension
- Reliable operation of power transformers
- PCB < 10 mg/kg in case of power transformer overhaul or recycling



Testing of oils in INT laboratory and on the field



Corrosive sulphur (DBDS)



PCB in oil

