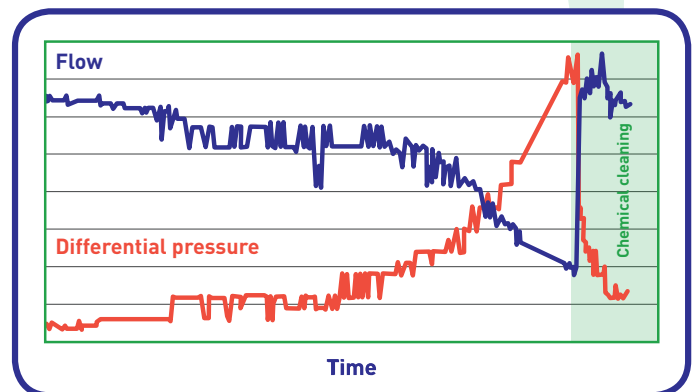
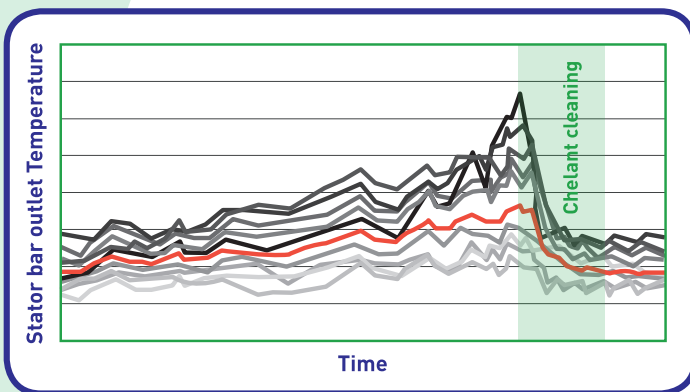
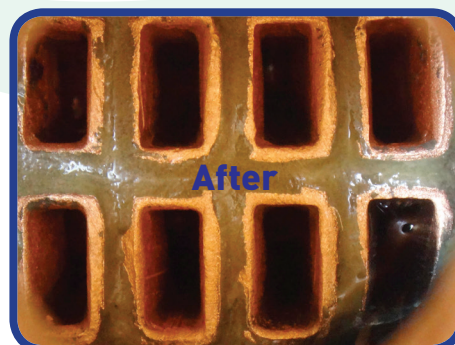


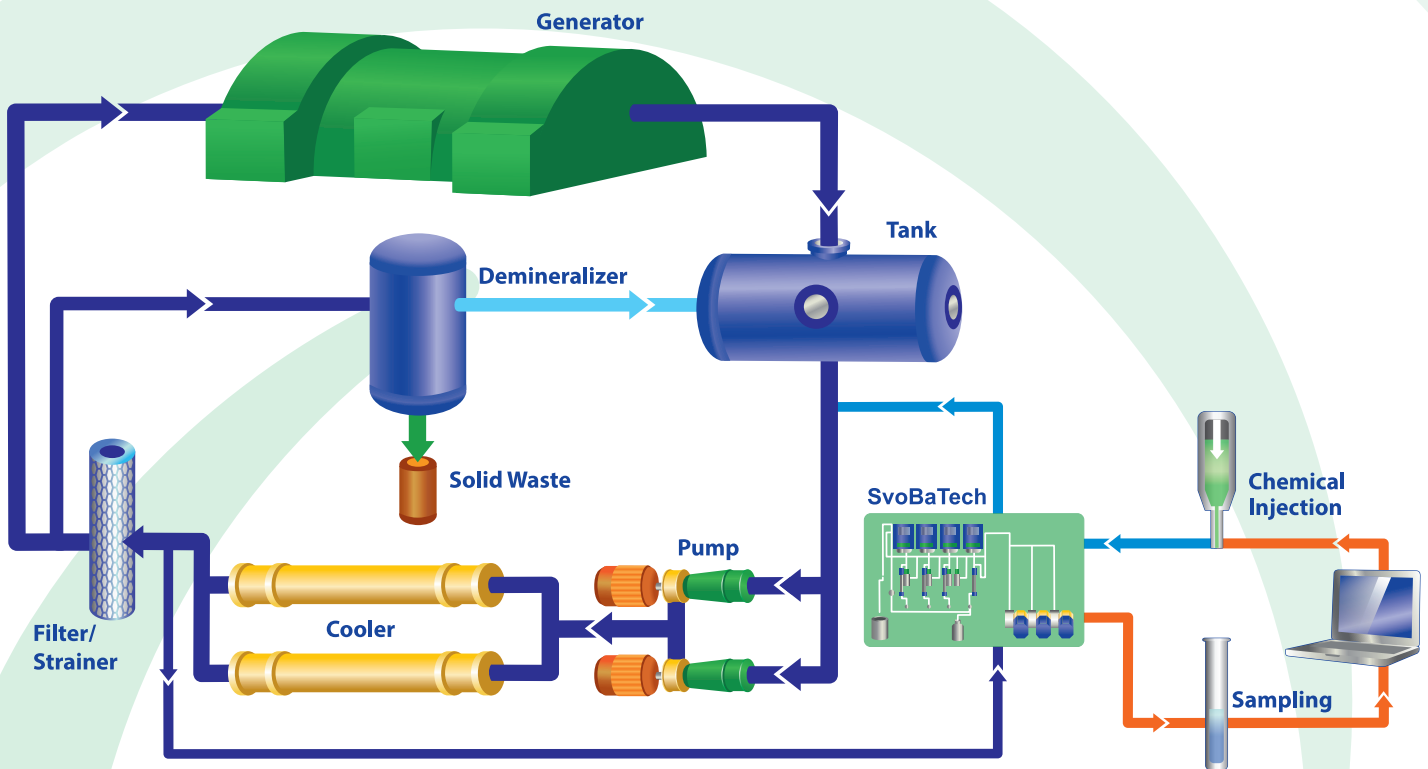
## CHEMICAL CLEANING FOR STATOR COOLING WATER SYSTEMS

- 🕒 **Online:** Cleaning is done during operation; the cleaning does not interfere with generator operation
- 🕒 **Offline:** Cleaning is done while the generator is shut down. This means reduced cleaning time and costs
- 🕒 **Emergency cleaning:** Fast and professional support from beginning to end to prevent forced outages
- 🕒 **Preventive Maintenance:** Well-planned preventive maintenance cleanings prevent forced outages, damages, and help assess the unit's condition
- 🕒 **Restoring a stable oxide layer:** In some cases, an instable oxide layer can cause problems. We can replace it with an optimally formed, stable layer
- 🕒 **Targeted single bar treatment:** In cases of severe plugging, an approach combining mechanical with targeted chemical cleaning is usually successful
- 🕒 **Safe for your system:** Proven process applied by experienced team
- 🕒 **No plant interference:** Our equipment is set up at the cooling water skid, usually located in the basement and out of the way. No disassembly is required
- 🕒 **No environmental impact:** Zero liquid waste
- 🕒 **Root cause analysis:** Before, during and after a cleaning, SvoBaTech is supporting you in researching the root cause for the plugging



## THE SAME STATOR BAR FACE BEFORE AND AFTER CLEANING





With the longest experience in the industry, we are specialized in the chemical cleaning of water-cooled generator coils and the stator cooling water system. Our method is based on the use of chelants (e.g. EDTA) with innovative developments built on 40 years of industry knowhow. Chelant cleaning removes copper oxides without attacking the system materials. The process employs dedicated monitoring of the process parameters,

customized addition of the chelating agent and an oxidizer, and proprietary auxiliary chemicals. Copper oxides are removed from the complete system. Offline cleaning usually takes about 4 days while online cleaning takes 10-15 days. We are currently the only company capable of deploying experienced teams to safely conduct online chemical cleanings while the machine is in operation.

## ABOUT US

SvoBaTech Inc. was founded to provide international knowledge in generator stator cooling water chemistry and to create an independent and highly competent service provider for OEMs and utilities. Our owner-operated company combines the experience from over four decades and involvement in more than 150 chemical cleanings on stator cooling water systems on

six continents and generator stators of most OEMs. These include GE, Siemens (Westinghouse, Parsons), Alstom (BBC/ABB, GEC, Alstom), and Elektrosila. Services were performed at major utilities such as FPL, AEP, SCE, PG&E, Xcel Energy, Duke Energy, OPG, TVA, ESKOM, Transalta, EdF and EoN.