Choose green water treatment and save a fortune! **Saving You:** Water, Energy, and protects the environment!

WESU Water Engineering Systems (Pty) Ltd *www.WESU.co.za* *www.WizWater.com* ***Email:*** *Info@wizwater.com*

Turbo Compressor Uses Green Cooling!

The Cooling water of a 50,000cfm, 4.5MW, turbo compressor in a mine shaft, is being treated by WESU's green water treatment based on Partial Electrolysis, with no chemicals being added.

Water consumption dropped from 190 to 20KL/D. Energy savings of between 3% & 15% had been recorded. The heat exchangers kept clean when compared to an identical compressor treated with the traditional chemical treatment. The cooling towers' PVC filling media kept clean and will last indefinitely unless it disintegrates but will not have to be replaced due to scale. No operator's intervention was required.

- ✓ *Fast return on investment. <1year*
- ✓ *Save 40%-100% potable water. Yes you can replace the potable water with effluent or AMD.*
- ✓ *Save Energy.*
- ✓ *Reduce your maintenance cost.*
- ✓ *Protect the environment. No chemicals no blow downs.*
- ✓ *Be in control – Remotely monitored 24/7.*
- ✓ *Simple to operate and maintain.*

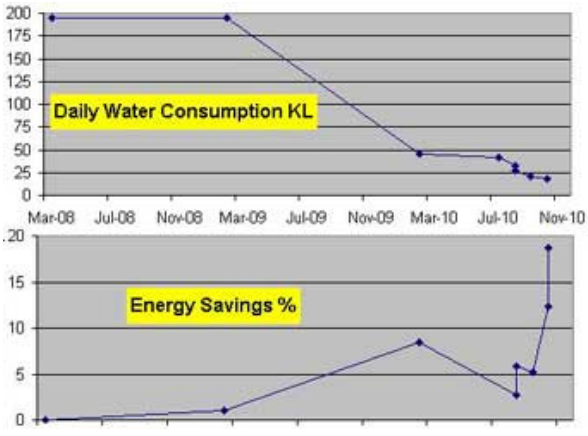
Scale produced in the Wesu Reactor.

The Wesu Machines on the left. The compressor's Heat Exchangers on the right.

The WESU system, operates as a side line to the cooling towers. It brings the water to its kinetic equilibrium by introducing negligible electrical energy into the water which accelerates the chemical reaction in the water and producing scale thousand time faster than scale is depositing in the cooling system, and automatically removes it from the water. Disinfection is following the production of biocide (mainly chlorine) from the chlorides present in the makeup water.

Heat exchanger from chemically treated compressor

Heat exchanger from WESU treated compressor



Over 3,500 systems operating worldwide some longer than 20 years. Also in South African mines; Chrome smelters, Gold processing plant, cooling water and cooling towers.

Contact Zvi Wagner,+27 83 377 8353 zvi@wizwater.com Or, Niels von Ekesparre +27 83 255 7543, niels@wizwater.com. **We would be honoured to be your partners in driving down your operating cost.**