



**Removal of dioxins  
from special wastewater**

**Advanced Oxidation Process**



In 2004-2005 LIFETECH's laboratory worked out an advanced oxidation process (AOP) for **removal of dioxins and furans (PCDD/F), chlorophenols and other contaminants** from the BCD process wastewater. Consequently, our technology was installed and from April 2006 successfully used in the **"Spolana-Dioxins" Project** at SPOLANA a.s. in Neratovice, Czech Republic, as a part of Special Wastewater Treatment Plant. Our supply consisted of an ozone generator with the output of **5kgO<sub>3</sub>/h** at 10% w/w ozone concentration, two reaction tanks with mixing systems, a vent ozone destructor, and a control system. The world largest project for removal of PCDD/F was managed by BCD CZ a.s., a subsidiary of Thermal and Chemical Soil Remediation Ltd.