

# CSEPEL (Hungary)



<b>Capacity</b>	From 350,000 m <sup>3</sup> /d to 900,000 m <sup>3</sup> /d - 1,600,000 P.E.
<b>Employer</b>	<b>Budapest Főváros Önkormányzata Főpolgármesteri Hivatal Közmu Ügyosztály vezetője (Municipality of Budapest, Head of the Public Utilities Department of the Mayor's Office)</b>
<b>Address</b>	Varosház utca 9-11 - HU-1052 - Budapest - Hungary Tel. : +36 1 327 11 25 - Fax : +36 1 327 18 17 e-mail : <a href="mailto:info@enviroduna.hu">info@enviroduna.hu</a> - Contact: Ms Tothné Nick Dorottya
<b>Contract Nature</b>	DBO (Design, Build, Operate)
<b>Date of award</b>	01/2006
<b>Completion Date</b>	08/2010
<b>Process</b>	<p><b>Pre-treatment:</b> Raw Water receiving shaft / Screening / Grit removal / Grease removal</p> <p><b>Primary treatment:</b> Primary lamellar settling stage</p> <p><b>Biological treatment:</b> Conventional biological treatment with nitrogen &amp; phosphorous removal / Chlorination</p> <p><b>Sludge treatment:</b> gravity thickening of primary sludge / <i>Belt thickening of biological sludge*</i> / Pasteurisation / Thermophilic digestion and electrical power recovery from biogas / <i>Dewatering by centrifugation*</i> / Storage in silo (* Mechanical treatment)</p> <p><b>Energy Saving :</b> Co-generation</p> <p><b>Air Treatment :</b> The total plant is covered and ventilated. The polluted air is treated with chemical desodorisation and with biofilters</p> <p><b>Control &amp; instrumentation :</b> SCADA – Upstream measure (Threshold gauge – Downstream measure (Venduri channel)</p>
<b>Processes &amp; Brands</b>	ALIZAIR® – Biofilter, AQUILAIR® - Chemical desodorisation
<b>Other</b>	BOD <sub>5</sub> : 101,600 m <sup>3</sup> /d