

CSEPEL (Hungary)



Capacity	From 350,000 m ³ /d to 900,000 m ³ /d - 1,600,000 P.E.
Employer	Budapest Fováros Önkormányzata Fopolgármesteri Hivatal Közmu Ügyosztály vezetője (Municipality of Budapest, Head of the Public Utilities Department of the Mayor's Office)
Address	Varoshaz utca 9-11 - HU-1052 - Budapest - Hungary Tel. : +36 1 327 11 25 - Fax : +36 1 327 18 17 e-mail : info@enviroduna.hu - Contact: Ms Tothné Nick Dorottya
Contract Nature	DBO (Design, Build, Operate)
Date of award	01/2006
Completion Date	08/2010
Process	<p>Pre-treatment: Raw Water receiving shaft / Screening / Grit removal / Grease removal</p> <p>Primary treatment: Primary lamellar settling stage</p> <p>Biological treatment: Conventional biological treatment with nitrogen & phosphorous removal / Chlorination</p> <p>Sludge treatment: 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>Energy Saving : Co-generation</p> <p>Air Treatment : The total plant is covered and ventilated. The polluted air is treated with chemical desodorisation and with biofilters</p> <p>Control & instrumentation : SCADA – Upstream measure (Threshold gauge – Downstream measure (Venduri channel)</p>
Processes & Brands	ALIZAIR® – Biofilter, AQUILAIR® - Chemical desodorisation
Other	BOD ₅ : 101,600 m ³ /d