**OPERATION AND MAINTENANCE WASTEWATER TREATMENT PLANTS**

*Maintenance-repair And Operation Of Gaziantep Wastewater Treatment Plant*

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**Location**
Gaziantep/ Türkiye

**Client**
General Directorate of Gaziantep Water and Sewerage Administration (GASKİ)

**Contractor**
MASS

**Completion Date**
I.Contract: 2009
II.Contract: 2011

**Financial Resource**
General Directorate of Gaziantep Water and Sewerage Administration (GASKİ)

**Scope**
Operation of the plant for 24 months

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**Scope:**
Maintenance-repair and operation services of described wastewater treatment plant for 24 months including operational personnel and maintenance staff, disposal of screening and sludge, supply of chemicals, maintenance of electrical and automation system and pumping station.

**Pre-Treatment**
- Equalization Tank
- Screening
- Grit & Grease Removal
- Primary Sedimentation

**Biological Treatment**
- Aeration Tanks with Blower-Diffucel Aeration
- Biological Nitrogen and Phosphorus Removal
- Secondary Sedimentation

**Sludge Treatment**
- Sludge Thickening
- Sludge Flating (DAF) Units
- Sludge Dewatering with Centrifuge
- Sludge Digestion

**Gas System**
- Gas Storage • Gas Desulphurization
- Cogeneration Unit • Gas Flare

**Pumping Station**

**Capacity:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Influent</th>
<th>Effluent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow</td>
<td>260,000 m³/day</td>
<td></td>
</tr>
<tr>
<td>Population Equivalent</td>
<td>1,300,000 P.E</td>
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**Flow**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>COD (mg/l)</th>
<th>BOD5 (mg/l)</th>
<th>TSS (mg/l)</th>
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<tbody>
<tr>
<td>Influent</td>
<td>600-800</td>
<td>300-500</td>
<td>300-450</td>
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<tr>
<td>Effluent</td>
<td>90</td>
<td>15</td>
<td>20</td>
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</tbody>
</table>

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**MASS ARITMA SİSTEMLERİ İNŞAAT SANAYİ VE TİCARET A.Ş.**
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