Devnya Power Plant
Reliably producing economical power from petroleum coke

- Sumitomo SHI FW CFBs replaced two Russian PC boilers at Deven’s soda ash plant in Devnya, Bulgaria
- Efficient steam generation with high availability for one of the biggest soda ash plants in the world
- Our CFBs are designed to burn up to 80% petroleum coke (7.5% sulfur) with Russian semi anthracite coal
- CFB technology allows use of local limestone for SOx reduction

Customer Value Points
- Local limestone use
- Resolves high carbon ash problem
- No FGD or SCR needed

### Project summary
Location: Devnya, Bulgaria  
Customer: Deven JS Co.  
Duration: 2006-2010  
Scope: EPC of CFB boiler island

<table>
<thead>
<tr>
<th>Plant Electrical Output (Gross)</th>
<th>1 x 100 MWe</th>
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<tbody>
<tr>
<td>Steam Flow</td>
<td>399 tph</td>
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<tr>
<td>Steam Pressure</td>
<td>100 barg</td>
</tr>
<tr>
<td>Steam Temperature</td>
<td>540°C</td>
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<tr>
<td>Fuel</td>
<td>Petroleum coke/anthracite coal</td>
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Our vision is to provide sustainable energy solutions through decarbonization, decentralization and digitalization of the energy industry. Our capabilities cover customer needs in the fields of power generation utilizing circulating fluidized bed (CFB) technologies, long term energy storage, and related network services. We continuously broaden our portfolio of products and services by advancing our in-house technologies and developing further alliances with new partners.