Alstom in Czech Republic

References and Ongoing Projects

Alstom’s Presence

**Prague, Alstom Grid**
- Switchgears (on- and offshore); HDVC and flexible AC Transmission systems (FACTS)
- Equipment from high to ultra-high voltage 1200 kV (AC) and 1000 kV (DC)
- Protection and control solutions for electricity networks
- Maintenance and services for grid equipment

**Prague, Alstom Czech Republic & Slovakia Headquarters**
Country President Office

**Brno, ALSTOM s.r.o.**
- Maintenance and modernisation of boilers
- Maintenance services for industrial plants and municipal heating plants

**Brno, Alstom Transport**
- Rolling stock transport systems, services and modernization of all types of vehicles

**KEY DATA:**
- ALSTOM s.r.o.
- 2 sites
- 200 employees
- Alstom Czech Republic headquartered in Prague
## Alstom in Czech Republic

### References and Ongoing Projects

### History

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1999</td>
<td>Alstom and ABB formed JV ABB Alstom Power</td>
</tr>
<tr>
<td>2000</td>
<td>JV ABB Alstom Power became Alstom Power</td>
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<tr>
<td>2008</td>
<td>Company renamed to ALSTOM s.r.o.</td>
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<tr>
<td>2010</td>
<td>Alstom Grid sector in Prague formed through acquisition of Areva T&amp;D’s transmission business</td>
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</tbody>
</table>
Alstom Power has participated in almost all main energy projects in Czech Republic and Slovakia. The company also possesses important presence in the environmental control systems and CO2 emissions capture. Alstom Brno is a leading supplier of Ljungström® regenerative and combustion air preheaters.

References:
- **CEZ**: PP Ledvice, CFB 110 MW (1998)
- **Alpiq**: HP Kladno, Turnkey PP 350 MW (1999)
- **CEZ**: PP Tusimice, Pre-heaters (2010)
- **Plzenska Teplarenska a.s.**: HP Plžen, Delivery and erection of dry bottom ash handling system (2010)
- **Škoda Praha Invest (CEZ)**: PP Ledvice, 660 MW SC boiler
- **CEZ**: PP Prunerov, Denox on B22, Turbine retrofit
- **CEZ**: PP Chvaletice, K2 and K1 boilers general overhaul
- **Tušimice**: CX 29.7/1400/VI-type LJUNGSTRÖM®
- **Tenza**: HP Strakonice, EP for K2, K1 boiler

Technical Assistance Projects:
- Alstom provides combustion process optimization services including feasibility studies, thermal and stress calculations, and boiler commissioning. Currently executed projects include e.g. K5 boiler combustion adjustment for Plzeňská teplárenská, a.s.; K21 boiler combustion adjustment at Pruněřov II power plant for ČEZ a. s.; K6 and K7 boilers combustion adjustment for Spolana a.s.; and cooperation in the biomass boiler commissioning in Kutná Hora for První brněnská strojírna, a.s.

Repair and Maintenance:
- Alstom offers construction services in connection with boiler servicing and maintenance. Currently e.g. long-term maintenance of K1 and K2 boilers for Alpiq Generaion (CZ) s.r.o., Kladno; repair of limestone mill at Tušimice power plant for ČEZ, a. s.; and maintenance services for Tamero Invest s.r.o., Kralupy.

Spare Part Delivery:
- Alstom supplies spare parts for boilers and other power equipment to various customers; and spare parts for LJUNGSTRÖM® regenerative air preheaters for various customers across the Czech Republic, Slovakia, and other East European countries

Piping Prefabrication:
- Alstom manufactures and delivers piping bends and pressure parts of piping systems, and provides heat treatment processing services.
Alstom in Czech Republic

References and Ongoing Projects

Transport

Alstom Transport is present on our rail systems with its Pendolino tilting high-speed trains. We develop the most comprehensive range of systems, equipment, and services on the railway market.

References:

Grid

Alstom Grid is a leader in HV products, systems, and technologies for power and interconnect grids, such as gas-insulated substations, air-insulated substations, circuit breakers, disconnectors, instrument transformers, HVDC technology and rectifiers, power transformers, protection and control systems, network management systems and full service support throughout the product lifecycle.

References:
- EON Velke Opatovice: compact air insulated substations (CAIS) HV (2008)
- OHLZS Plana u Mar. Lazni: (CAIS) HV (2010)
- CEPS a.s.: measuring transformers HV
- Elektrizace zeleznici Myto: rail electrification