Overview: PPC in Hennigsdorf
Drives Competence and Service Center for Bombardier Transportation

Site:
- Strategic orientation:
  - Global drives competence and service center
- Location:
  - Germany, north of Berlin, since 1995 (1894)
  - Production area: 7,000 m²
  - Employees: 209
- Number and facts:
  - ∅ 100 Mio € turnover
  - ∅ 90,000 Manufacturing hours/year

Profile
- Prototype-, pre-series manufacturing and final assembly
- Parallel handling:
  - > 30 Motors & Gearboxes
  - > 50 Projects worldwide in different stages
    - TRAXX-, ALP locomotives Haramain, E464
    - TWINDEXX, OMNEO, ZEFIRO, MOVIA C30, BR430/490, QRNG etc.
    - FLEXITY for Basel, DeLijn, Melbourne
    - INNOVIA Monorail drives
- Main functions: OPS, SM, PM, ENG, Q
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Knowledge about Product Portfolio

**Drives**
- All railway applications
- 100 – 1,600 KW

**Motors – Design- and complete vertical production know-how**
- Asynchronmotors with aluminum or copper rotors
- Permanent magnet motors
- Different winding
- Different isolation classes
- Special processes: Isolation, welding, brazing, joining
- Water- or air-cooled motors
- Self or forced air cooling

**Gearboxes - design and final assembly**
- One or multi-level gearboxes
- Use-oriented coupling
- Full or partly suspended drives
- Different sealing- and cooling systems
- Low noise levels and erosion
- Optimization of lubrication

**Testing – Type as well as routine test**
- Testing of traction motors and gearboxes of the entire BT portfolio

MITRAC TM/GB 5xx
For trams and monorails

MITRAC TM/GB 1xxx
For metros, regional and high speed trains

MITRAC TM/GB 3xxx
For locomotives and powerheads