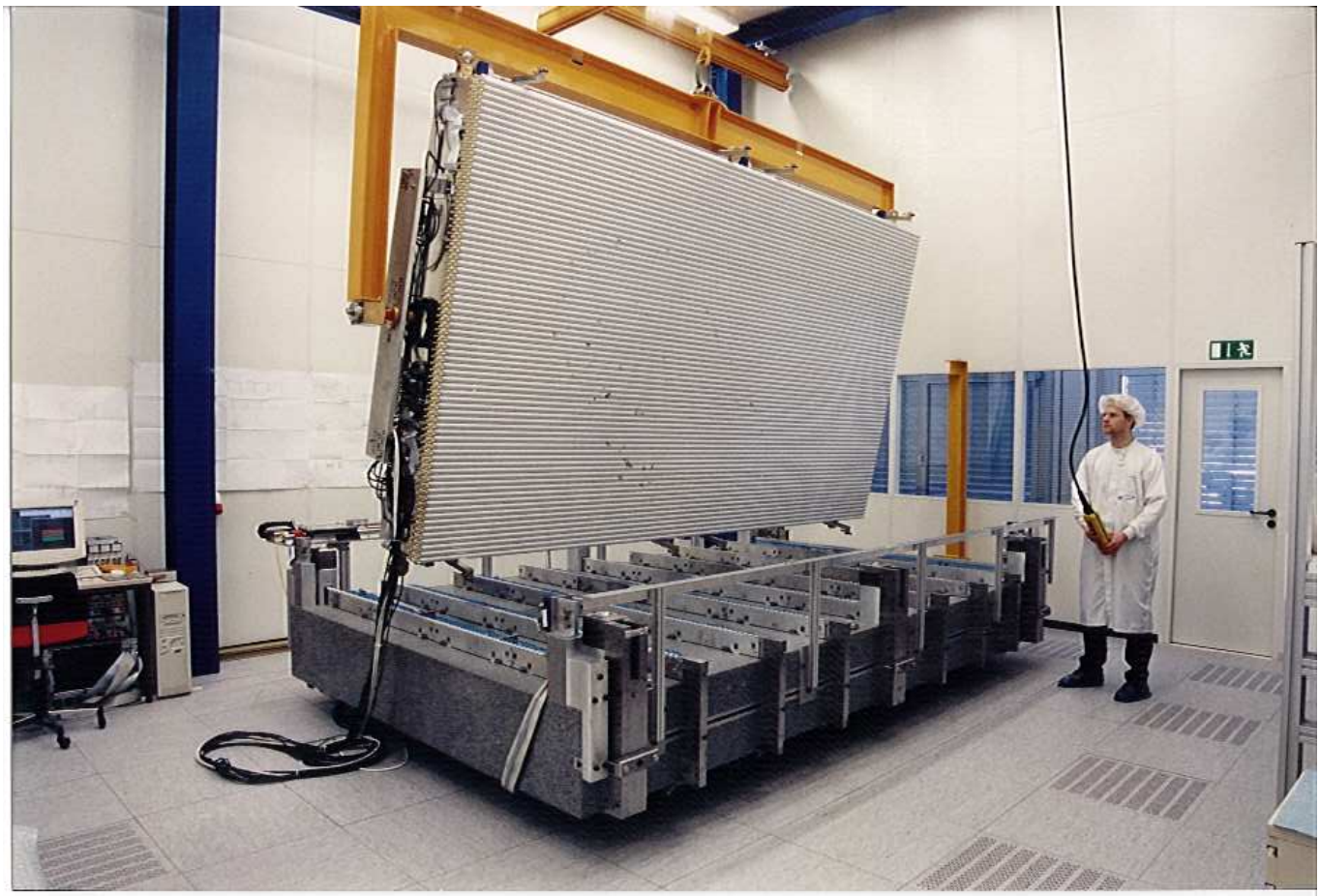
Monitored Drift Tube Chambers



- **Very high mechanical precision: < 20 μm (rms).**
- **High reliability, no aging over > 10 years under LHC irradiation conditions.**
- **1200 MDT chambers with in total 400000 drift tubes covering an area of 5500 m^2.**
- **Construction of 1 chamber every 2 weeks at 13 production sites over 4 years.**

  Munich: 88 chambers with 432 drift tubes of 3.8 m length.
- **High precision optical alignment monitoring system: muon sagitta corrections to < 30 μm (rms).**