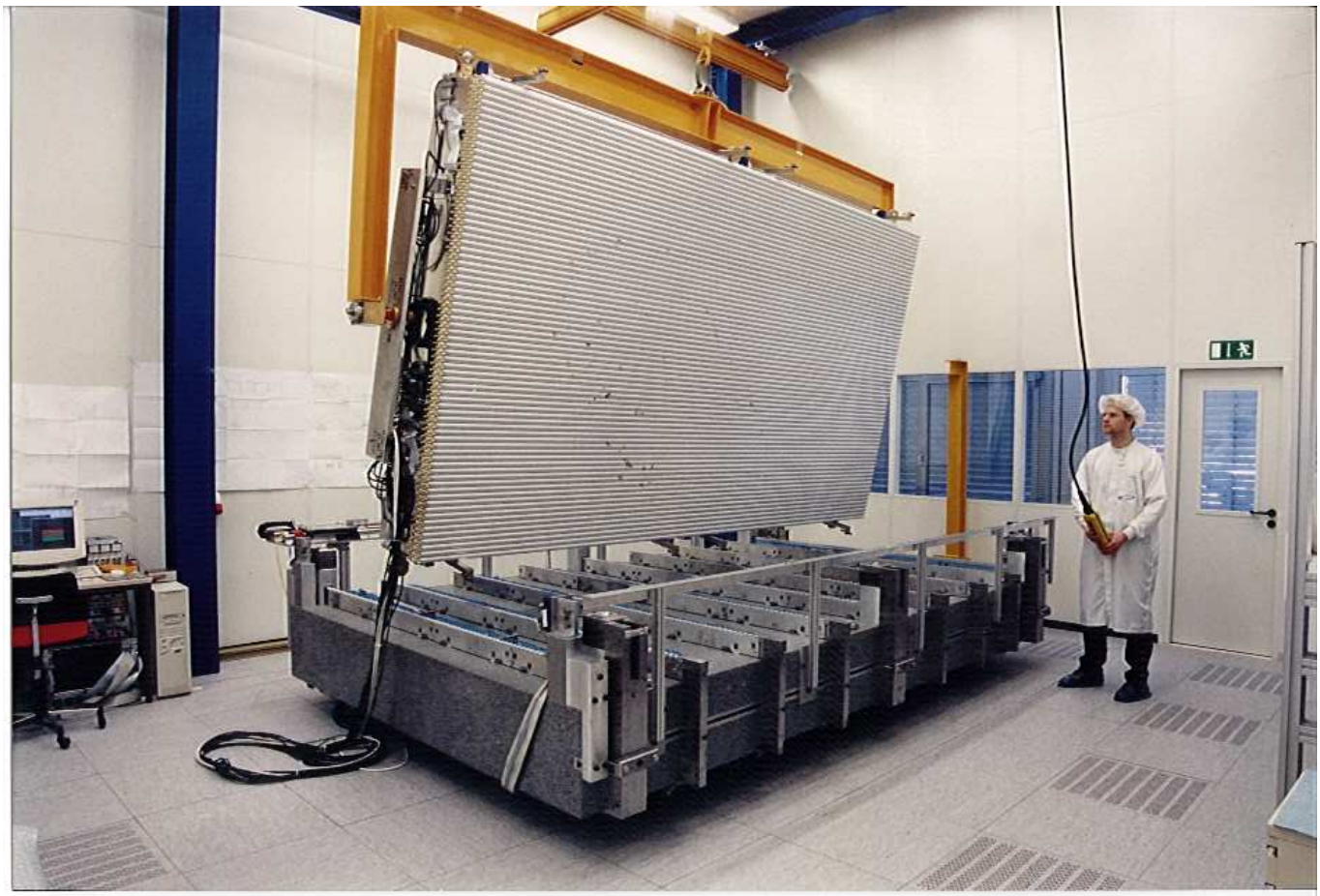
Monitored Drift Tube Chambers



- **Very high mechanical precision.**
- **High reliability, no aging over > 10 years under LHC irradiation conditions.**
- **1200 MDT chambers with 400000 drift tubes covering 5500 m^2.**
- **Construction of 1 chamber every 2 weeks at 12 production sites over 4 years,**

  Munich: 88 chambers of 3.8 m length with 432 drift tubes each.
- **High precision optical alignment monitoring system:**
  misalignment correction to muon sagitta to 30 μm rms (see Poster Session).