**Turnkey Observatories**

Our company specializes in erecting turnkey observatories utilizing mainly PLANEWAVE astrographic and infrared telescopes with professional CCD-Camera equipment. 10Micron and Planewave equatorial and Alt Az-telescope mounts are available up to 700 kg loading capacity.

We produce a wide variety of eyepieces, astronomical filters, educational selfguided slit-spectrographs as well as professional Echelle-spectrographs up to 20,000 ($\lambda$/Δ$\lambda$) resolution. SiC-mirrors are under development for large, ultra-lightweight optical assys.

**Contact us**

Baader Planetarium GmbH • Zur Sternwarte 4 • D-82291 Mammendorf
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**Baader AllSky Domes**

180° full sky view, maximum interior space, automated operation with remote control, auto-close with cloud and rain sensors. Full conformity with EU-fire-safety regulations with permanently accessible entrance door. Individual segment movement for optimized wind and light protection. ASCOM compatible.

Various climatic versions – made even for antarctic climate conditions down to -80°C, sized 2.3, 3.5, 4.5 and 6.5 meter in diameter.

**PlaneWave Astrophographs and Direct Drive mounts ex stock:**
- CDK 12.5”, f/8, CDK 14” f/7.23
- CDK 17” f/6.8, CDK 20” f/6.8, CDK 24” f/5.8, CD 300 f/6.6, CD 500 f/6.6, CDK 1000 f/6, L350 (45kg), L500 (124 kgs), L 600 (186 kgs).

**10 Micron mounts ex stock:**
- GM 1000 HPS, GM 2000 HPS II, GM 3000 HPS, GM 4000 HPS II, AZ 5000 DDS, AZ 6000 DDS.

**Research test ground 5.5m high-speed Dome**

**Wettzell, Germany – 6 m SLR-Dome**

**Hamburg Univ. – 4.5 m AllSky + CDK 700**

**Kent, UK – 3.5 m AllSky Dome**

**Assembly area – 2.3/3.5/4.5 m AllSky Dome**

**Uniporth, Switzerland – 2.6 m Dome**

**Zurich, Switzerland – 2.6 m Dome**

**Jungfraujoch, Swiss – 2.6 m Dome**

**Schier, Italy – 3.0 m Dome**

**Wendelstein, Germany – 3.5 m Dome**

**BAADER DOMES**

50 years of experience

**Germany**
Baader Domes

Baader Planetarium GmbH near Munich specializes in the production of professional quality, hermetically sealed, thermally insulated fiberglass domes for more than 45 years. Three product lines of fiberglass reinforced polyester (FRP) domes are in production:

• Classic Observatory Domes with slit
• AllSky Domes with 180° full view
• Planetarium Projection Domes – for indoor use

Domes for harsh environments are our speciality. Our remote controlled domes are to be found in Middle East desert areas, at German military sites, in Arctic regions and on mountain top locations sporting up to 300 km wind-speed – as well as at Dome C in Antarctica, the coldest place on earth.

Customers range from Carl Zeiss to a wide variety of German and European science institutes, universities and high schools – more than 500 domes are in use.

Baader Classic Domes

Observatory domes with broad up- and over-shutter and remote control, sized from 2 to 10 meter in diameter. Telescope controlled high speed endless rotation and horizontal flap movement, optional absolute encoders, fully ASCOM compatible.

Optional: flat-screen, integrated cloud and rain sensors and specialized Li-FePo4 UPS-power supplies to ensure ultra-reliable long term emergency dome closure.