

TrailerDomes.com

Scandinavian engineering

Original mount: Put up for Sale

The prototype's astro rig has now been dismantled, see page 2. It was time to retire the CGE Pro mount which has been used since the very start back in 2018.

Over the years the CGE Pro carried a large 14-inch telescope and did so very well. Its prime purpose was however to serve as a critical component for the development and extensive testing of **the trailer dome's capabilities as a mobile observatory**. Which after 8 000+ km on the road and 100+ conversion cycles indeed have been proven.

The mount with all its accessories and StarSense ASCOM based CPWI control system is therefore now put up for sale. By interest, here a link to the German site astronomie.de: <https://forum.astronomie.de/threads/celestron-mount-save-4-000-eur.368766/>

New mount: For high-resolution Astrophotography

After comprehensive assessment of premium mounts in the market the choice fell on the 10Micron GM2000 HPS. This mount has an instrument capacity of 50 kg with absolute encoders on both RA and Dec axes.

The mount with all its accessories was delivered within one week from the renowned European general distributor [Baader Planetarium GmbH](#) in Germany.

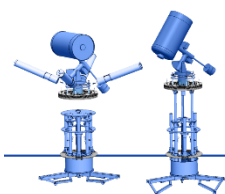
The wide assessment could be done due to the gear-independent design of the trailer dome's mounting plate on the top pier. A plate that can be both tilted ($\pm 3^\circ$ in XY) and rotated (360° around Z). Practically speaking, any GEM or Alt-Az mount for telescopes up to 16-inch apertures would fit.

The new adapter for attachment to the top pier was machined and delivered by our long-trusted subcontractor [Lomma Maskinteknik AB](#) in Sweden, also within one week.

The mount is an Italian mechanical masterpiece to which I already have some hands-on experience. I was the acquisition and installation lead when Tycho Brahe Observatory in Sweden made their largest investment ever two years ago. Which indeed comprised this very same mount.

The mount will carry the Celestron 14-inch Edge HD telescope, the same as originally installed. The upgraded rig will further be used for **high-resolution astrophotography**, foremost of SolarSystem objects but also faint distant DeepSky objects along with multi-panel mosaics of the same with larger apparent size on the night sky.

Clear skies //  Anders Hjelset
Founder of TrailerDomes AB



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Tycho Brahe Observatory, April 2023

Grand Opening with prominent guests along with “Maiden slew” of new rig



Trailer domes AB, September 2024

Old mount dismantled for sale



Trailer domes AB, September 2024

New mount attached to top pier

