

# SPACE SURVEILLANCE TELESCOPE FACILITY PROJECT

**Date:** May 2017 – April 2018

**Client:** Sitzler Pty Ltd

**Value:** \$12m

**Project Owner:** Department of Defence

## SCOPE DESCRIPTION

KBSS was awarded the civils, supply, fabrication, surface treatment and installation of the structural steel for the Space Surveillance Telescope Facility based in Exmouth, WA.

The scope includes a total of 708T of structural steel including 18m machined bisalloy rails for the observatory shutter doors. One of the main challenges for the fabrication and construction was the installation and alignment of the 22m diameter fixed ring girder and the shutter rails which required tolerances of 6mm and 3mm respectively. In addition, the installation of the rotating dome structure on top of the Azimuth ring installed by others, maintaining even loading of the structure to ensure tolerances are maintained and manual rotation of the structure on the azimuth ring during commissioning is successful.

KBSS also assisted the mechanisms contractor, Hofmann Engineering, with installation and alignment of their package, consisting of the drive units, bogies and Azimuth ring.

On this project KBSS were required to collaborate with other trade subcontractors via the client on site, Sitzler Pty Ltd, and worked closely with the American design team to ensure the structure was built safely and in a fit for purpose manner.

