Satellite platforms

OHB Sweden has developed satellite platforms that may be used for a wide range of applications. For each application and satellite mission a careful analysis has to be performed to define the required satellite platform needs, taking into account the specifics of that mission. The satellite platforms listed below stem from satellite missions that has been performed or that is currently under development at OHB Sweden, and they cover a wide range in terms of mass and payload capacity and different type of satellite orbits. OHB Sweden is specialised in developing micro- and mini-satellites in the range from a few 10th of kilograms up to about 500 kg. For more information on the OHB Sweden spacecraft systems and the possibility to use our platform and spacecraft technology to meet the needs of your mission, please contact Mr. Bengt Larsson, Business Development.

Prisma
The PRISMA system is currently under development by SSC for the PRISMA technology demonstration mission. The PRISMA platform is built for a two-satellite formation flying system with the latest developments in satellite technology. It features a newly developed avionics system based on the LEON-3FT processor and has a very flexible and agile attitude and orbit control system. PRISMA is suitable for low earth orbit missions for earth observation or science. The satellite size is scalable depending on the mission, but typically the platform mass is around 100 kg and can support a payload in the 50-100 kg range.

SGEO
OHB Sweden with a consortium led by the German company OHB System, RUAG Space and LuxSpace as partners is currently developing the Small GEO general purpose small geostationary satellite platform. The Small GEO platform supports up to 300 kg payload mass, payload power of up to 3 kW and a lifetime of up to 15 years.

Smart
The SMART platform was developed by OHB Sweden for the ESA SMART-1 lunar mission. SMART-1 was launched in 2003 and ended its successful mission to the moon in 2006. The platform uses electrical propulsion for orbit control and has a flexible attitude control system, and large solar arrays. The platform is highly suitable for interplanetary missions and missions to geostationary orbit. The satellite platform dry mass is around 200 kg and can support a payload of around 100 kg and provide up to 2 kW payload power.
Astrid
The Astrid platform was developed for the Astrid 1 and Astrid 2 satellite missions and is a low cost micro satellite platform for science and earth observation. The platform mass is around 15 kg, and it can support around 10 kg payload mass.

OHB Sweden wins AOCS and Chemical Propulsion System contracts for Solar Orbiter