

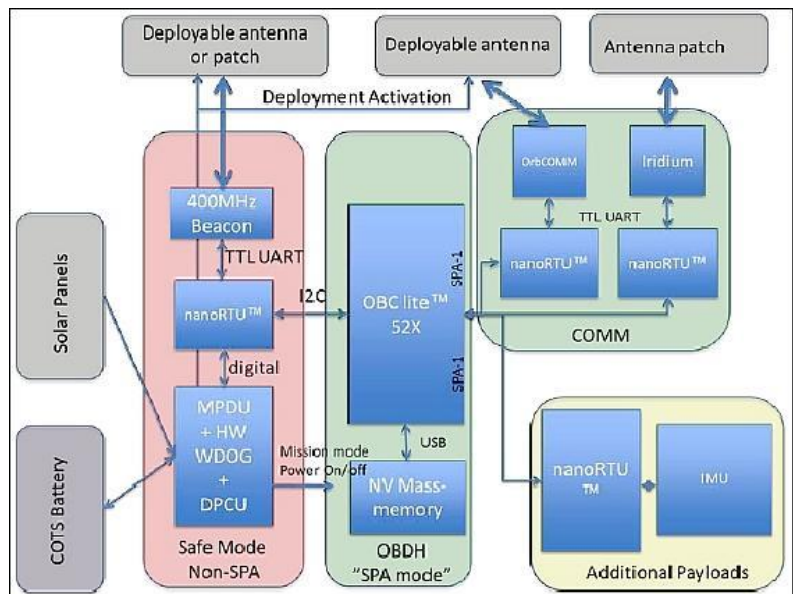
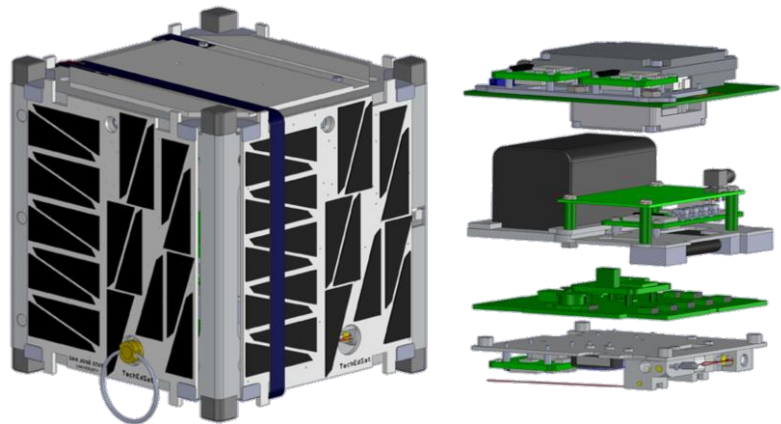
CubeSat

Miniaturized satellite for space

1U Satellite

Soletop offer downscaled versions of the systems for simpler missions, these can also feature high reliability avionics, advanced attitude control, and deployable solar arrays, however, in many cases the user decide to pick subsystems and components from our lower end portfolio for short duration and experimental missions.

A 1U CubeSat design with deployable communication antennas featuring safe mode and mission mode computer partitioning and intersatellite communication using ORBCOMM and IRIDIUM.



SOLETOP

305-348, 2nd Floor, 59-5, Hwaam-dong, Yuseong-gu, Daejeon, Korea

T. 042 867 7440

F. 042 867 7445

contact@soletop.com

www.soletop.com

CubeSat

Miniaturized satellite for space

6U Satellite

Soletop provides high performance and high reliability 6U and larger CubeSat platforms for operational mission needs, e.g. communication, AIS, ADBS, SIGINT, COMINT, science, Optical, Hyperspectral, radiometers, etc. The satellite platforms are rapidly tailored to the customer needs and adopted to new payloads through the use of our unique Rapid Integration Architecture™. These platforms typically provides high accuracy attitude control, high speed communication on important space communication bands such as UHF, S, Ku, and Ka bands, and high power through deployable solar arrays. The available payload volume is typical 2-4 U.

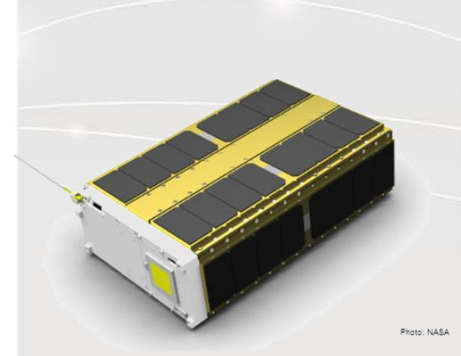


Photo: NASA

6U Satellite

Payload integration can be done over secure internet communication without exchange of classified or proprietary information through the black-in, black-out (BIBO) approach co-developed with AFRL to allow up to military SECRET level payloads and high level commercial payloads to be integrated and validated in a fast and reliable manner. The BIBO approach is enabled by incorporating advanced encryption in the payload with only clear text exposure of the payload (XTEDS compatible) driver.

