PLATFORM

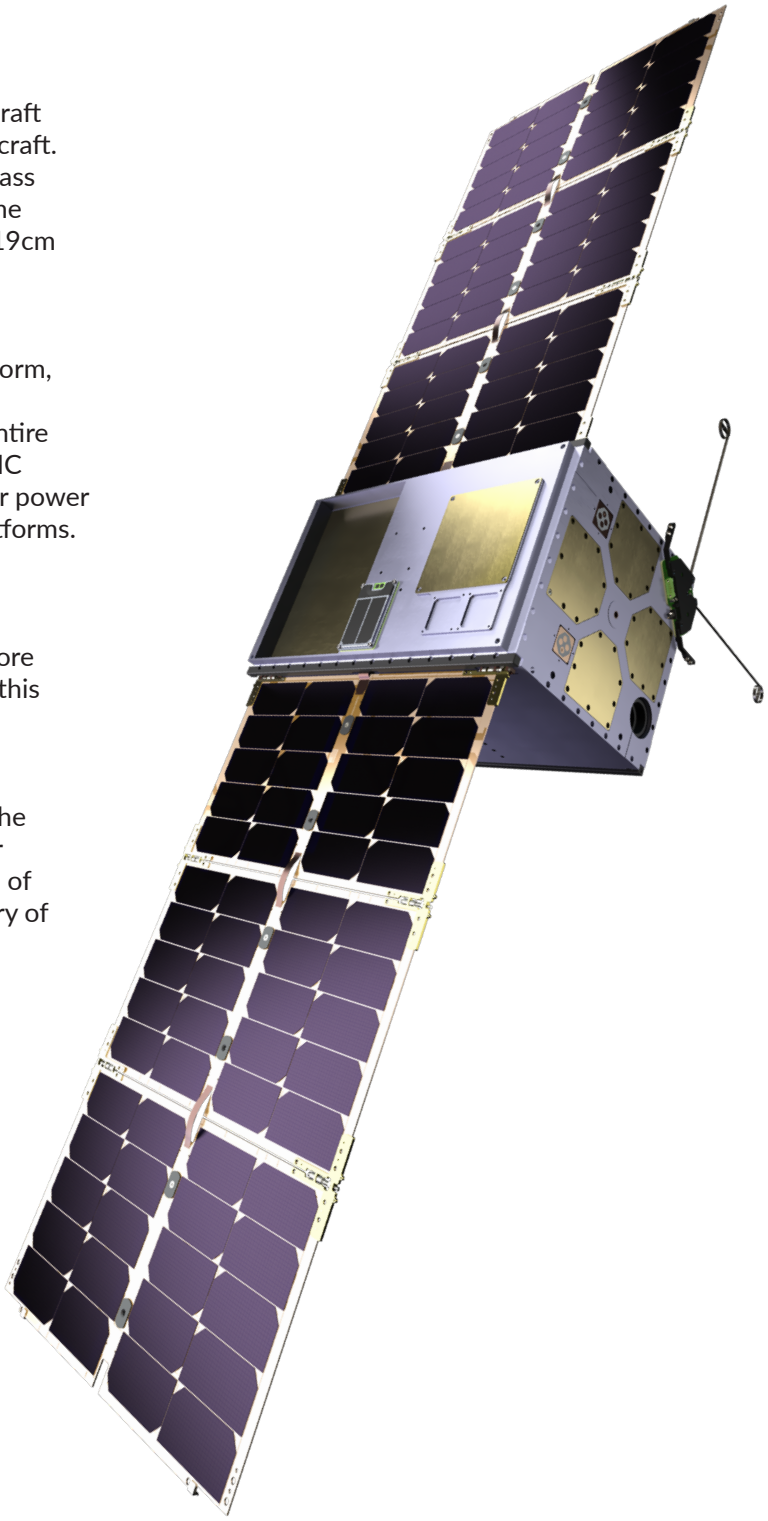
RENEGADE

Terran Orbital presents the Renegade-class spacecraft platform, a standard point of departure 12U spacecraft. The Renegade has the best platform-to-payload mass ratio in the product line, leaving tremendous volume for capable instruments, and can accommodate a 19cm diameter optical imager. It proves that operational missions can be performed on a small platform.

Renegade was based on the previous Trestles platform, with significant heritage in orbit. It can be easily customized as a 16U spacecraft. Terran Orbital's entire line of spacecraft shares the same avionics and GNC algorithms, though Renegade allows more room for power storage than the other nano and microsatellite platforms.

Renegade meets the requirements for 'rail' based dispensers, including those sold by Terran Orbital, and has a compact tri-fold solar array, providing more power to a payload than what is often available in this form factor.

Terran Orbital employs top-of-the-line automation and modern manufacturing processes to support the delivery of hundreds of buses annually. From order to launch, in quantities from one to a constellation of one hundred, Terran Orbital accelerates the delivery of mission solutions.



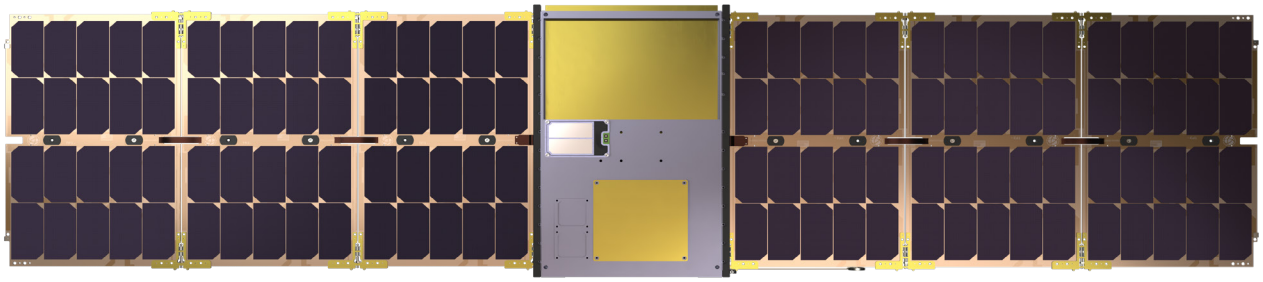
KEY BENEFITS

- Exceptional available payload volume for size, allowing for complex operational systems
- Platform extendable from 12U to 16U for exceptionally long payloads
- Can accommodate up to a 19cm diameter optical imager
- Based on hardware with significant flight heritage

TERRAN ORBITAL™

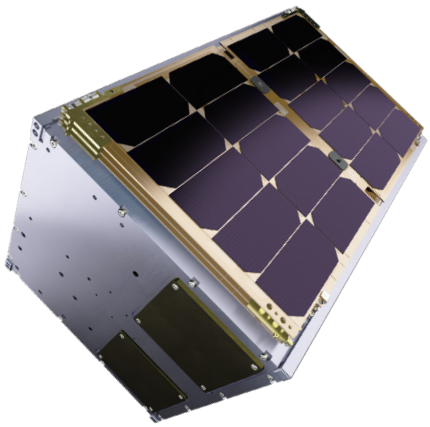
PLATFORM

RENEGADE



BASELINE MODULES INCLUDED

- Flight Computer
- Backplane
- 12V Battery Modules(3)
- 12V MPPT (2)
- 12V Load Controller (1)
- Coarse Sensors (2)
- Star Trackers (2)
- GPS
- Magnetorquers (3)
- Reaction Wheels (3)
- LDRR Radio
- MDR Radio
- IMU (1)



SPECIFICATIONS*

Configuration	12U (16U option)
Applications	LEO
Native Orbits	400km - 1200km
Launch Mass (Wet)**	up to 25kg
Available Payload Mass	10kg
Max Solar Array Power	100W
Redundancy	Single-string
Power System	12V Unreg, 3.3V, 5V rails available
Communication Data Rate	UHF: 9.6 Kbps (U/L & D/L) S-band: 125 Kbps U/L, 2 Mbps D/L X-Band: 50 Mbps D/L
Propulsion	None standard, options available
Pointing Accuracy	30 to 75 arcseconds higher accuracy available

*** For additional spacecraft specifications or to configure a platform for your requirements, please contact a sales professional.**
****maximum mass may not be supported on all launch vehicles or with all deployers.**

MADE IN U. S. A.

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