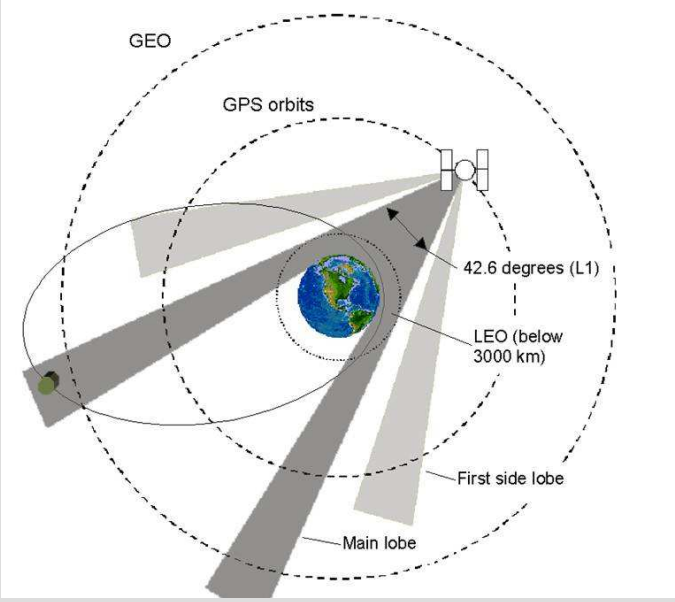
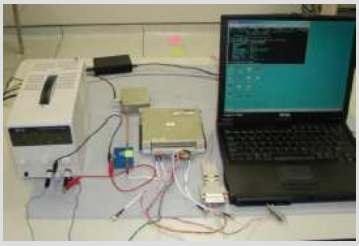
GPS Navigation



Overview

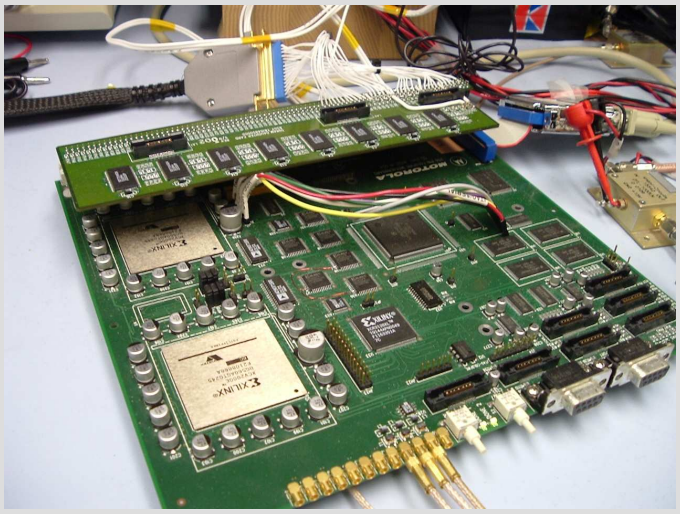
Emergent Space Technologies, Inc. is a world leader in spacecraft navigation using GPS. Over 75% of our navigation engineers have advanced degrees in the subject matter. We are leading research into the use of GPS in spacecraft orbits above the GPS constellation. An Emergent engineer developed the navigation filter currently being used onboard Globalstar satellites and co-authored a patent on the use of GPS for spacecraft timing. We also have extensive experience developing extended Kalman filters for multi-sensor navigation, attitude determination or for improving GPS-only navigation.

Emergent offers expert consulting and engineering services in design, development, testing and integration of GPS receivers for both space and terrestrial applications.



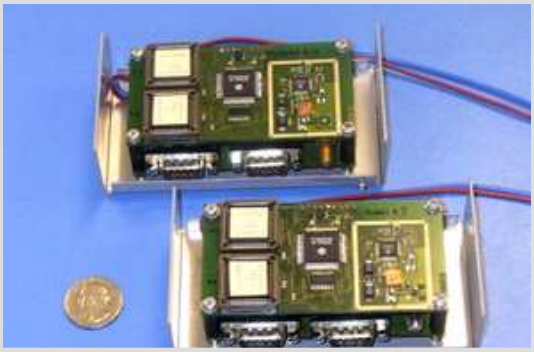
HEO/GEO GPS Receiver

Emergent is currently developing the navigation and timing algorithms for the NASA Goddard Space Flight Center Navigator GPS receiver. Navigator is designed to operate in highly elliptical and geosynchronous orbits using low signal tracking capabilities. Such technology is applicable to missions such as MMS (HEO) and GOES-R (GEO).



Systems Engineering and Testing

Emergent employees have extensive experience in developing performance specifications for, and in testing, spaceborne GPS receivers. Some current and prior programs include: GSFC's Navigator, DLR's Orion, Ashtech's G-12 HDMA, JPL's BlackJack, Honeywell's SIGI, Trimble's Force 19, and Laben's Tensor.



Emergent Space Technologies, Inc.
6301 Ivy Lane, Suite 700
Greenbelt, MD 20770

http://www.emergentspace.com

Phone: 301.345.1535
Information: info@emergentspace.com
Employment: jobs@emergentspace.com