



ITT

GPS Navigation Systems

Payloads | Receivers | Operational Control Systems

Put yourself in a
position of strength.



Engineered for life

GPS Navigation Systems

Taking performance and reliability to a higher level.

With more than 35 years of 100% on-orbit mission success, ITT is a total GPS navigation systems supplier providing high-performance, reliable, cost-effective GPS payload, receiver and control solutions. Leveraging our experience and industry-leading visualization capabilities, our GPS systems offer superior accuracy and functionality across the entire GPS network.

Not surprisingly, ITT has been part of every U.S. GPS system ever launched – culminating in a remarkable 500 years' on-orbit life without a single mission-related failure. Today, new GPS technologies are being developed that will dramatically improve the accuracy and reliability of this global utility, so that tomorrow's pilots, warfighters, surveyors, hikers and motorists alike can stay the course safely.



We Focus on Your Bottom Line.

We know how critical it is for you to adhere to schedule and budget. At ITT, we do just that. Because we're able to build off of proven platforms, we can provide you with cost-effective solutions. With an efficient infrastructure already in place, we are able to easily apply our expertise, gained in a wide range of programs and proven processes, to design and manufacture solutions that meet and surpass your needs – on time, and on budget.



Solutions Engineered for Life.

Our sophisticated systems engineering capabilities produce high-performance solutions that typically outlive their design life by a significant margin. We also regularly perform ahead of schedule, getting lifesaving technology into the hands that need it most - faster.

GPS Payloads

ITT has been designing, developing, integrating and manufacturing payloads for the highly successful U.S. Air Force NAVSTAR Global Positioning System since 1974. Our programs have included:

- Blocks I, II and IIA
- Block IIR
- Major subsystems for the upcoming GPS Block IIF payloads

GPS IIR-M

ITT's innovations continue to lead the way in navigation. The IIR-M total Navigation Payload is designed to meet the rigors of space and operate in a radiation-contaminated environment, as well as provide precise three-dimensional position, time and velocity information on a 24-hour, worldwide basis. The navigational payload software of these satellites is fully reprogrammable while in orbit. The IIR-M payload is the first of the modernized payloads in the U.S. Air Force's plans to update the entire GPS system.

GPS III

In partnership with Lockheed Martin, ITT is developing a whole new generation of payloads with increased capabilities and security.



GPS Receivers

Focused on producing high-precision, high-accuracy military and civilian GPS receivers for the control and user equipment segments, ITT is continuing technology advancements in the GPS receivers field, providing the same high level of mission success demonstrated on its GPS payloads for the last 30 years.

GPS Operational Control Systems (OCX)

OCX offers superior accuracy and functionality across the entire GPS network. As a member of the Raytheon team, leveraging our GPS payload experience and industry-leading visualization capabilities, ITT is providing the key navigation processing elements of the OCX Phase A engineering model demonstration, as well as the precision monitor station receivers, ultimately benefiting both the warfighter and civilian communities.

For more information on how we can apply our expertise to your business,
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ITT SPACE SYSTEMS DIVISION

Our mission is to provide a wide range of innovative remote sensing and navigation solutions to customers in the Departments of Defense, Intelligence, Earth and Space Science, and Commercial Aerospace to help them visualize and understand critical events happening – on earth, in the air or in space – in time to take effective action.

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