



Emergent Space Technologies, Inc. is focused on the research, development, and application of advanced navigation, communication, and information technologies for civil, commercial and military space missions. With expertise in: systems engineering; guidance, navigation, and control (GN&C); orbital mechanics, ground systems development and integration; and mission operations, Emergent possesses the broad range of skills needed to support the entire spacecraft life-cycle.

Emergent is certified as a small business with the SBA, and our current clients include: NASA Goddard Space Flight Center; NASA Ames Research Center; Orbital Sciences Corp.; Lockheed Martin Space Systems; SGT, Inc.; Swales Aerospace; and Honeywell Technical Services, Inc.

People

Emergent has assembled a team of highly qualified space and information systems engineers. Over 80% of our employees have advanced engineering or computer science degrees. We combine this knowledge with real mission experience, such as Hubble Space Telescope, Iridium, Globalstar, AMSAT AO-40, TOPEX, Aqua, Aura, EO-1, amongst others.

Aerospace Systems and Technology

Emergent offers expert consulting and technical services support for all phases of the mission life-cycle. This includes mission formulation studies, design, analysis, simulation, development, integration and test and operational support. Areas of expertise include:

- Guidance, Navigation, and Control
- GPS Applications
- Orbit Mechanics/Astrodynamics
- Rendezvous, Prox Ops, Formation Flying
- Mission Design, Planning, and Analysis
- Spacecraft Simulation and Modeling
- Space Systems Automation and Autonomy
- Spacecraft Ground Systems

Information Systems and Technology

Emergent is unique in our ability to apply modern information technologies to the space domain. This is borne out of experience gained from the retail, e-commerce, and information technology industries. Areas of expertise include:

- Software Architecture and Engineering
- Distributed Applications and Web Services
- Web and Internet Technology
- Mission Critical Ground Systems Engineering
- Autonomous Vehicle Onboard Systems Development
- Hardware-In The-loop Closed-Loop Simulation

Careers

We are always looking for bright, energetic and enterprising individuals to join our dynamic team of engineers, scientists and technologists. Please visit our web site to see the latest career opportunities.