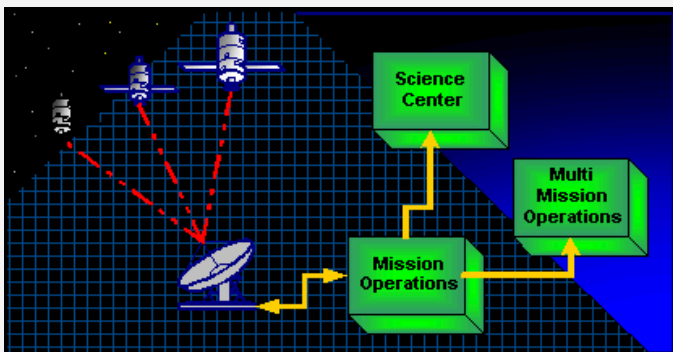




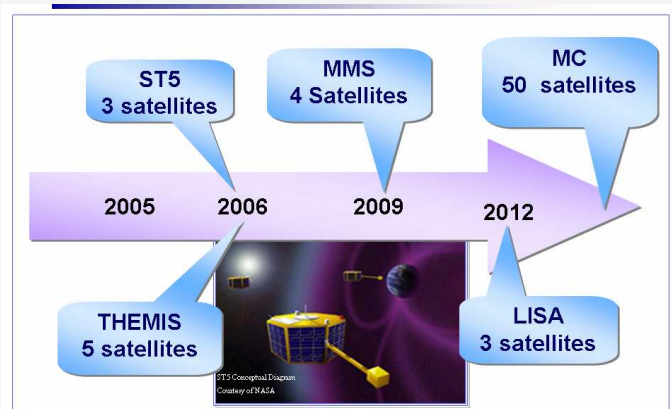
Overview

Emergent is leveraging its experience in information technology to provide next-generation ground system solutions that reduce cost through integration and automation. As part of the Honeywell Technology Solutions, Inc. team to reengineer the SMEX ground systems and infuse the GMSEC middleware-based ground system architecture, Emergent is identifying and proving new technologies demonstrated in other domains and is applying them to problems that today's missions are trying to solve.



Fleet-Based Ground Systems

Emergent is currently supporting with the NASA Goddard Space Flight Center, as well as commercial customers, to support development and integration of fleet-capable ground systems. The goal is to consolidate both hardware and software systems into a highly automated multi-spacecraft ground system that allows satellites to be operated as a fleet. A second goal is to enable new missions to be readily inserted into the MOC to leverage existing infrastructure. This system will help reduce total mission operations costs while also allowing operators to focus on the critical needs of the fleet instead of routine operations.



Operations by Exception

Using new internet paging protocols and Goddard's GMSEC standard, Emergent has built a paging system for operations centers that can work out of the box and helps to reduce 24/7 staffing within the operations center. This system aids in mission automation because the operations staff can multi-task across missions and they can go to "lights out" operations mode with confidence, enabling them to perform critical operations by exception.