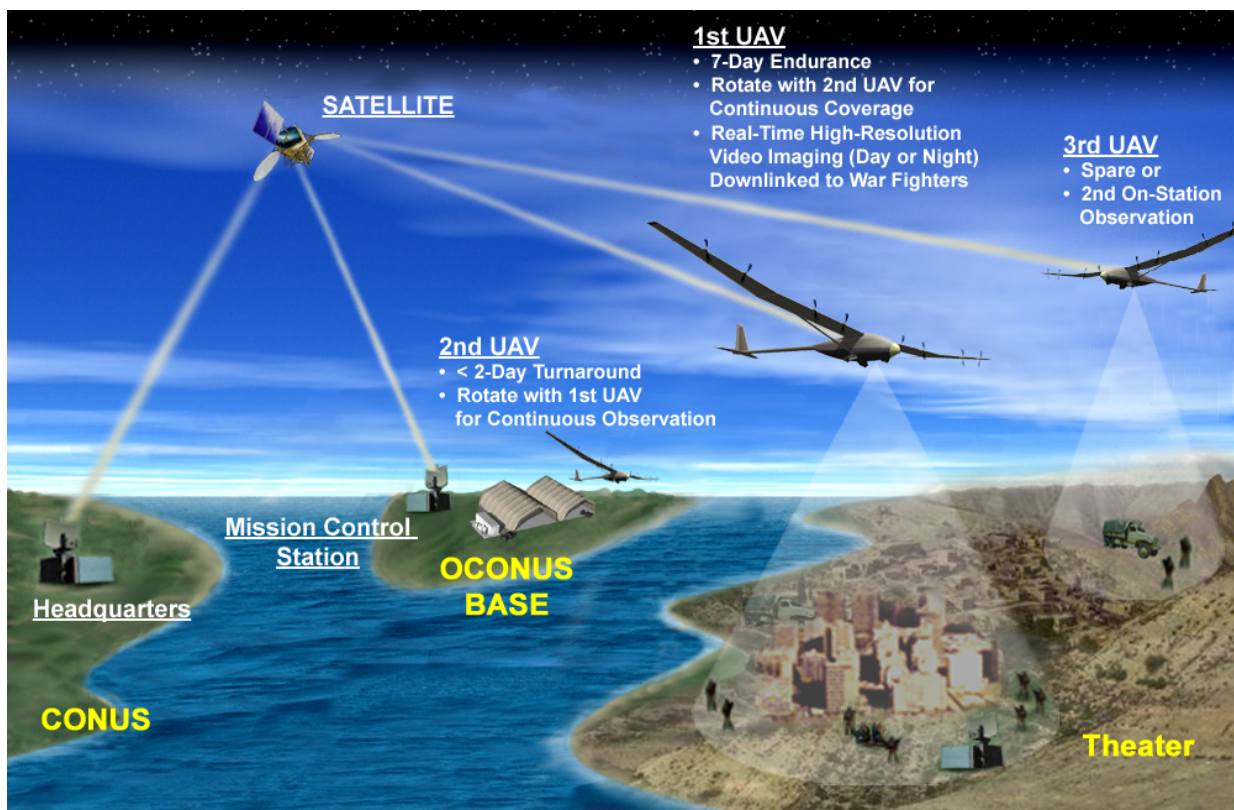


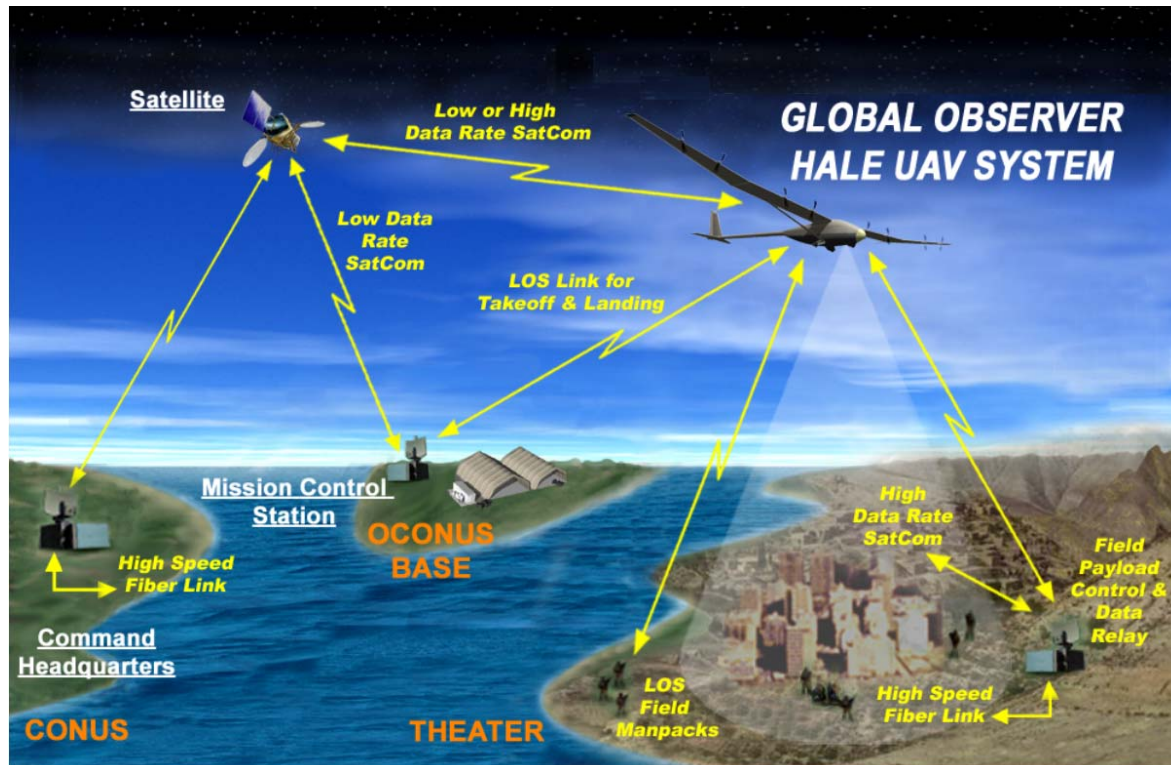
## Global Observer Persistent Stare Capability Concept of Operations

With over quadruple the endurance of existing aerial options, fewer operating platforms and personnel are needed to sustain a 24x7 persistent stare capability with the Global Observer system, resulting in dramatically lower cost and increased fidelity.



Using a minimum of only two aircraft in rotation, with one Global Observer replacing the other on station once per week, this capability will provide seamless communication relay and remote sensing systems at breakthrough affordability. An additional third platform could be used either as a spare or to expand mission coverage.

## Global Observer Government Missions Communications Relay & Remote Sensing Applications



**Mission Examples** (total system capabilities available now – HALE aircraft, payloads, CONOPS) :

- Persistent Stare Communications, GPS, ISR and BFSA
- Detection and Location of Electromagnetic Interference (DCS)
- Tactical On-station Weather Monitoring and Data
- Enhancement of Freedom to Commit NSS to Higher Threat Areas/Priorities
- Dynamic Tasking to Theater Commanders
- Communications Augmentation / Bandwidth Expansion
- Robust Coverage to Areas with Little to No Coverage
- Provision of Limited Reconstitution Capability
- Persistent, Actionable Intelligence (Optical, IR, GMTI)
- GPS Augmentation for High Power Anti-Jam/Jammer Tracking
- Missile Defense (IR)
- Offensive Information Warfare; Combat ID (BFSA)
- Battlespace Awareness (Airspace Collision Avoidance)
- Dedicated Communications Support to other UAVs