

# Enterprise Planning & Scheduling

Orbit Logic's COTS products can be used on their own or seamlessly integrated into an **enterprise planning and scheduling** solution that leverages the particular strengths of web, mobile, and/or onboard applications for a system that provides as-needed optimized planning, responsiveness, autonomy, collaborative autonomy, situational awareness, and/or multi-user access and control.

## Optimized Planning (CPAW)

- Algorithm-driven constellation planning and deconfliction
- Asset/sensor configurations
- Highly configurable mission parameters
- Modeling for scan, slew, power, data, and more



## Order Management (OrderLogic)

- Optimized and Accessible Ground Planning Suite
- Order definition & templating
- Plan visualization & animation
- Fulfillment Tracking & Statistics
- Accessible web interface and API
- Administrative Controls (User, Region, & Data Controls)



## Autonomous Planning & Execution (APS)

- Autonomous Collection & Processing
- Responsive "just in time" planning
- Real-time resource assessment and multi-asset collaboration
- Onboard processing (e.g. detection, fusion)
- Autonomous task generation and re-planning



## Mobile Tasking (SpyMeSat)

- High priority and/or Urgent Tasking requests
- Tasking status on device
- Product delivery and display on device
- Accessible API



## Solution Overview

- Centralized and distributed approaches to satellite planning
- Nominal and urgent tasking
- Cooperative autonomous replanning
- Onboard planning for imagery processing (including object detection)
- Small messages delivered directly to the warfighter



## Example Workflow

- Combined Nominal Planning & Urgent Tasking
- Commanders define Areas of Interest (AOIs) within their theater and uplink nominal, optimized collection plans to the constellation
- A target is detected within one of the defined AOIs, in proximity to the Ground Team
- Ground Team sends Urgent Tasking to the constellation for high-priority assessment of the emerging conflict
- The next capable asset(s) performs high-priority planning, collection and processing
- Decision-makers receive data products via Enterprise Cloud Services to inform downstream action