

### General Description

- Orbital Sciences was selected as the US assembly partner for the Iridium 2 Satellite project
- This included an aggressive launch schedule which facilitated the need to go from a stall build environment producing one satellite every two-three months to the ability to produce four satellites in a single month
- TPT was asked to provide an assembly plan including plant floor layout, manning, station readiness and material flow concepts in order for Orbital to make this happen

### Scope

- Work with manufacturing engineering to develop the required standard work for a new satellite build project
- Create concept floor layout to align with new standard work
- Create new man assignments and supporting documentation
- Create work standard MODAPTS studies based upon the man assignments and the floor layout
- Using the MODAPTS studies and the layout to create simulations for “proof of concept”

### Success



Through simulation and line balancing, TPT helped Orbital achieve the goal of producing 4 satellites per month within the same manufacturing footprint