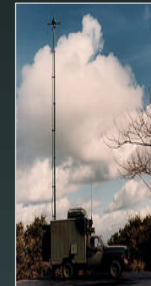
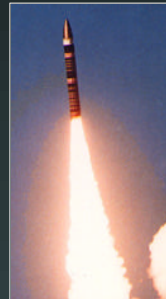


Information Technology Based Spacecraft Ground Systems (SGS)



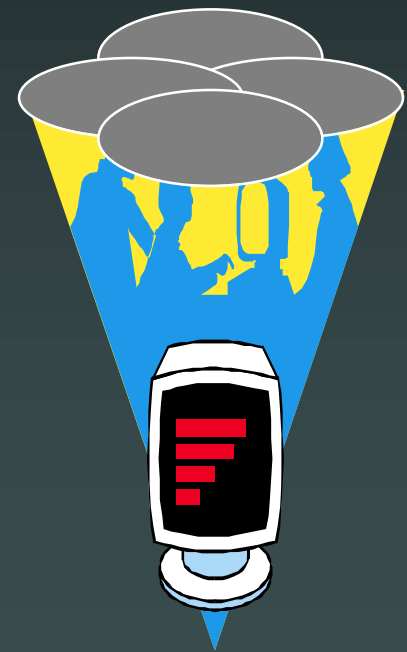
Presented by:
Morris Brill, Principal Investigator
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Traditional Standalone Ground Station Functions

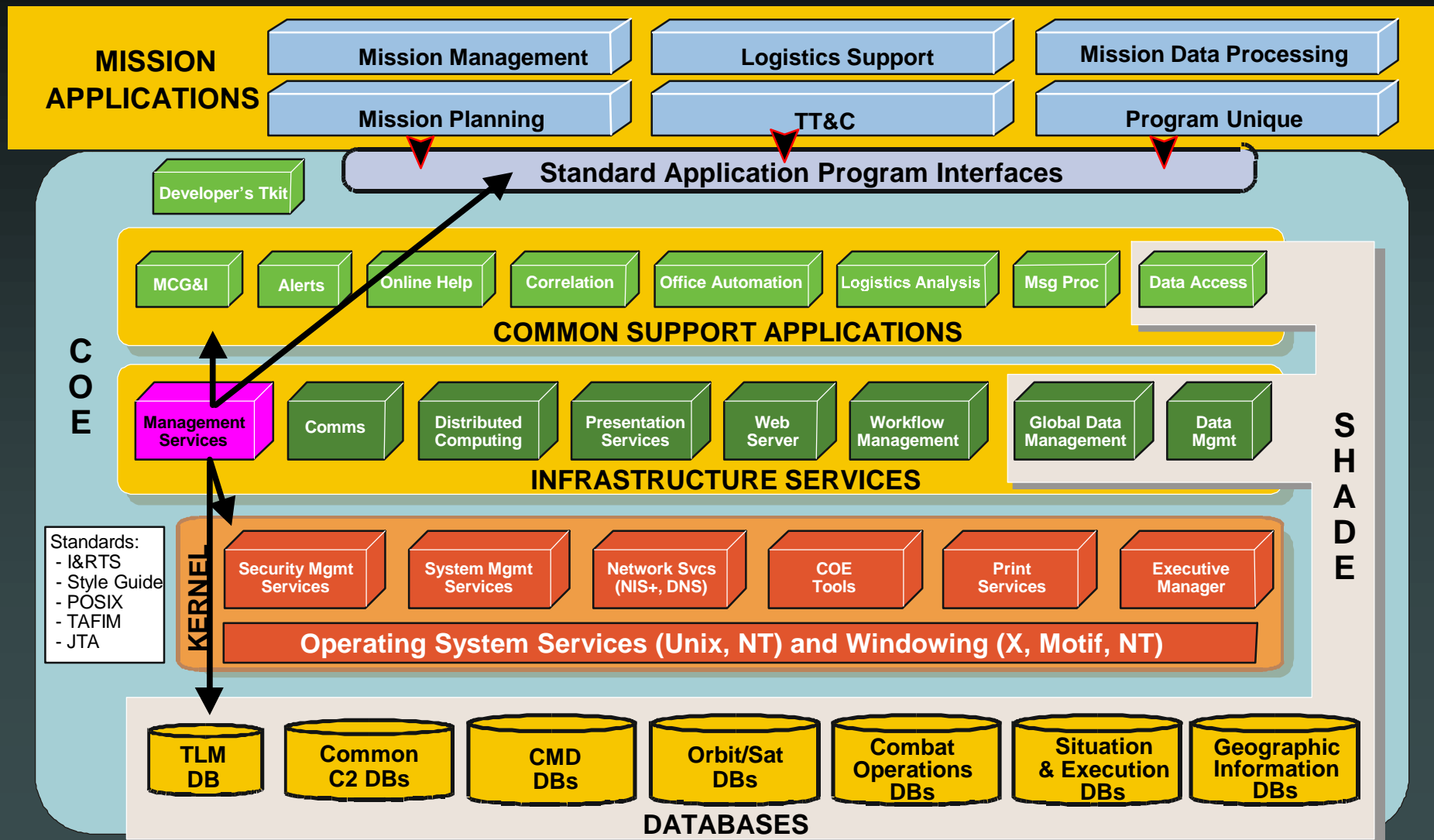


Eliminate Standalone Paradigm

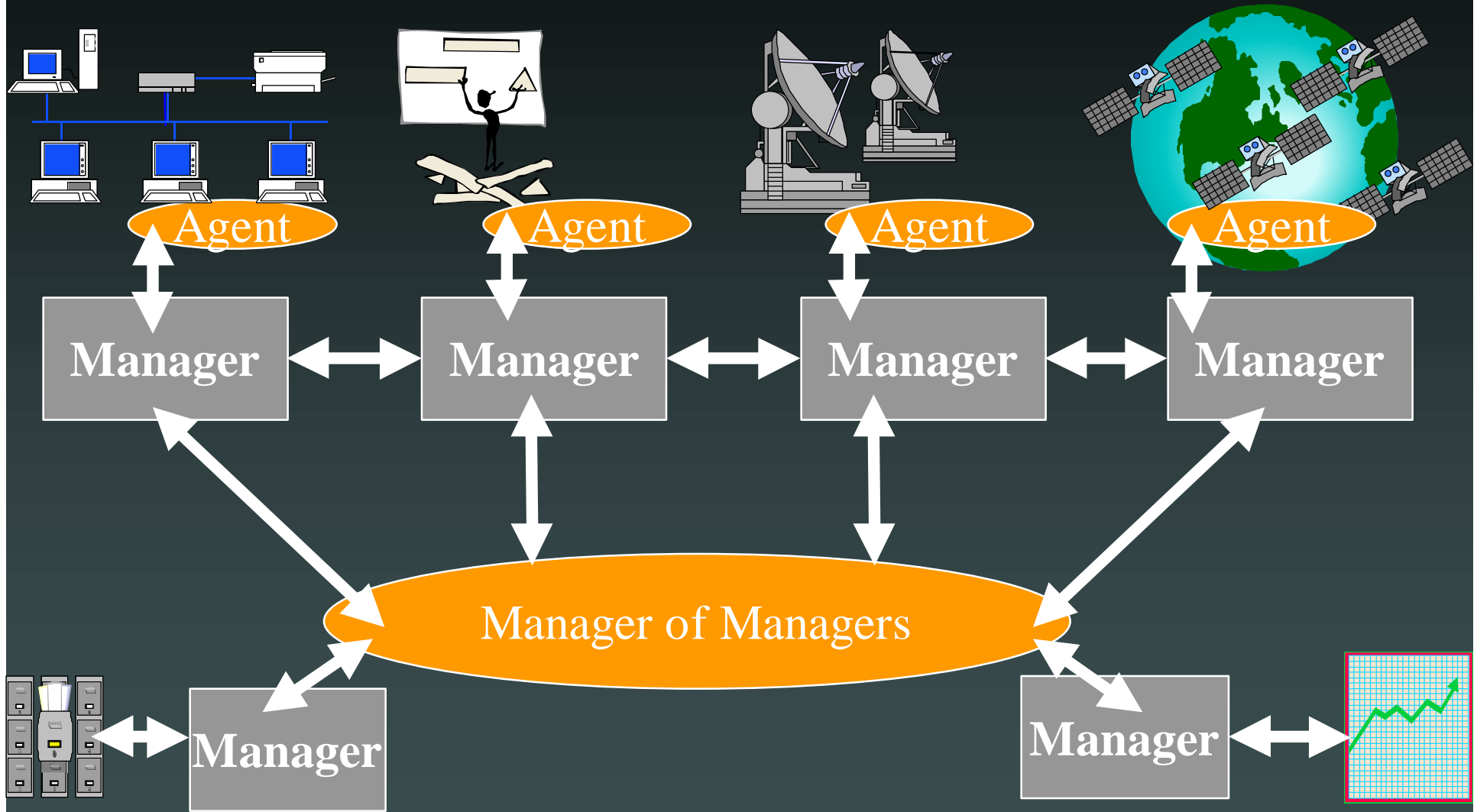
- Reduce complexity
 - Standards (TCP/IP, SNMP, etc.)
- Reduce redundancy
 - Common infrastructure
 - Common management model
- Reduce costs
 - Acquisition
 - Operations & Maintenance (O&M)



The DII-COE Provides a Starting Point



Top Level SGS Management Model



Benefits of Using IT for Managing the SGS

- Reduce staffing profiles
 - e.g. 1 administrator /50 users --> 1/200
- Reduce downtime
 - e.g. Automated identification and notification
- Legacy systems coexists with new systems
- Darken remote ground systems