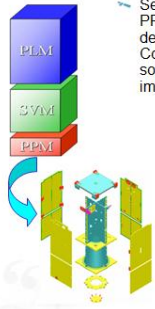
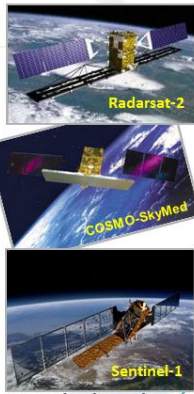


Sentinel 1: Heritage, Concept and Architecture

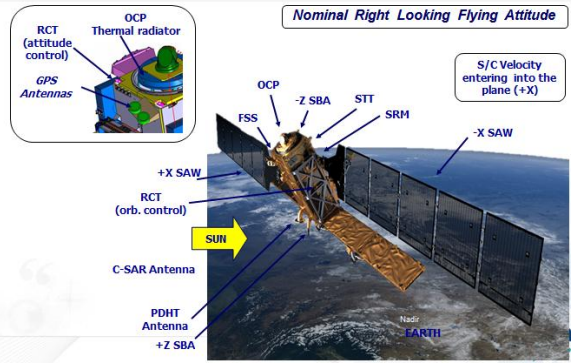


Sentinel 1 concept is based on PRIMA multipurpose platform as developed for COSMO-SkyMed Constellation & Radarsat-2 with some main differences and improvements:

- Enhanced reliability, lifetime, safe modes, autonomy, pointing, orbit & navigation control, power capability
- Heavier SAR antenna
- Improved propulsion subsystem also for attitude
- New optical payload: OCP
- Large number of European Sub-Contractors



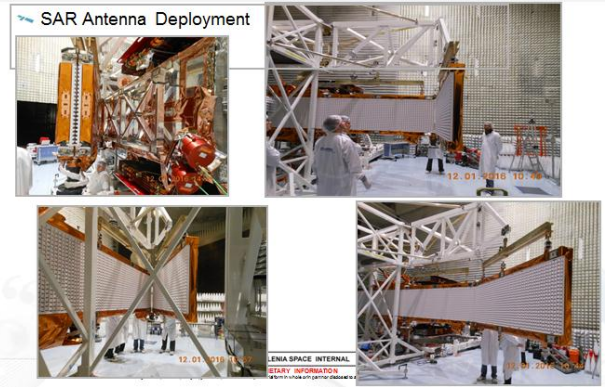
S/L General Architecture



Sentinel-1 during its integration phase



Sentinel-1 during SAR deployment/stowing phase



S-1B AIT Flow Overview



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