FLIGHT MODELS DELIVERED

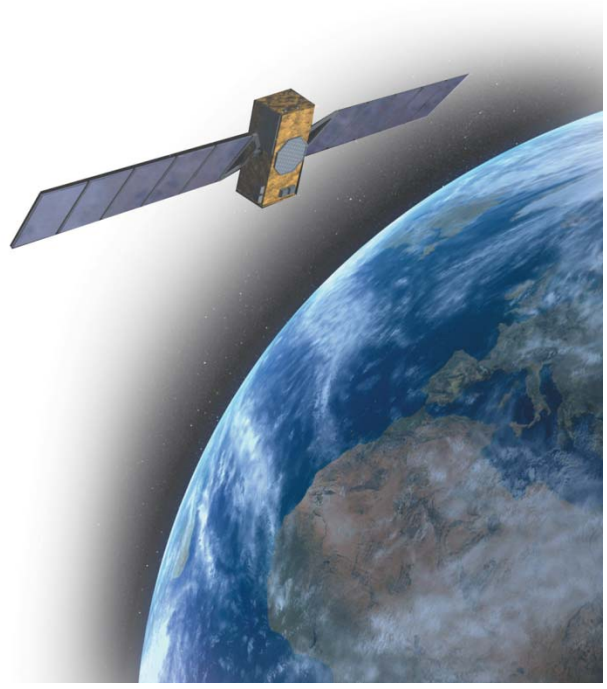
Data: April 2014

102 DIFFERENT DEVELOPMENTS AND DESIGNS

259 FLIGHT MODELS DELIVERED

- 61 SATELLITES / SPACE INFRASTRUCTURE / VEHICLES
  - 43 PROGRAMS
    - ISEE-2
    - HUBBLE
    - ULYSSES
    - SPACELAB
    - MIR
    - EURECA
    - Mini TEXUS 3
    - HELIOS-1
    - SOHO
    - CLUSTER I
    - MINISAT
    - SPACEHAB
    - SPOT4
    - Mini TEXUS 6
    - XMM-Newton
    - HISPASAT
    - TEXUS 38
    - CLUSTER II
    - ARTEMIS
    - ENVISAT
    - METEOSAT 2nd generation
    - INTEGRAL
    - International Space Station (ISS)
    - ROSETTA
    - HELIOS-2
    - XTAR-Eur
    - SPAINSAT
    - TEXUS 43
    - METOP
    - FOTON M3
    - COLUMBUS
    - HERSCHEL
    - PLANCK
    - SMOS-MIRAS
    - PLEIADES
    - MARS SCIENCE LABORATORY – CURIOSITY
    - OPTOS
    - GAIA
    - SENTINEL 1,2 and 3
    - SEOSAT PAZ and INGENIO *
    - BEPI-COLOMBO *
    - LISA PATH FINDER
    - CSO *
    - SOLAR ORBITER *
    - METEOSAT 3rd generation *
- 225 FLOWN INTO SPACE
  - 129 OPERATIVES
  - 96 IN DECOMISSIONED MISSIONS
- 34 WAITING FOR LAUNCH

- Attitude and Orbital Control Systems (AOCS) / Guidance and Navigation Control Systems (GNC)
- Systems (Optical, Instruments/Payloads, Docking, etc.)
- Electronics (mechanisms control, pyrotechnics release, experiments control, etc.)
- Deployables systems (hinges, arms, antennas, collapsible masts, wire booms, etc.)
- Hold downs Systems (Launching locking devices, in orbit fixations, astronaut restrain tools, etc.)
- Pointing mechanisms
- Instrumentation mechanisms (scanning, focusing, calibration, shutters, etc.)
- Structural components (masks, buffles, covers, racks, precision benchs, etc.)
- Other systems (thermal louvers, experiments auxiliary equipment, etc.)



* *Programs in development phase.*