Space instrument technologies and current programs
Alcatel Alenia Space, European Leader in Space Solution and Earth observation Technologies

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This presentation will synthesis the main instruments and technologies available to perform earth observation from space. The presentation will detail:
- the main observation space instrument technologies: Optical observation, Hyperspectral observation and radar observation.
- the main program currently under development, including PLEIADES, COMSO Skymed program and MERIS (the most performing Hyper spectral instrument currently in orbit). Main program features and planning will be presented including schedule.
- the main product available from Micro-satellite (under 200kg) to satellite (up to 1 ton) to perform observation mission from space.

Preliminary, a general presentation will be made presenting the new company Alcatel Alenia Space, issued from the merging of Alcatel Space and Alenia Spazio, which is today the European leader in Space Systems and Earth Observation technologies. This new company is mastering all space observation technologies, playing since more than 20 years a key position in the main European programs, and is the only European manufacturer in High Resolution optical and radar instrument for remote sensing applications.