



SURREY SATELLITE TECHNOLOGY LTD

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BUYER'S GUIDE REFERENCES

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MANAGEMENT

Executive Chairman
Professor Sir Martin Sweeting
Group Managing Director
Patrick Wood
Director, Earth Observation & Science
Luis Gomes
Director, Telecomms & Navigation
Dr John Paffett
Engineering Director
Tony Holt
Finance Director
Sarah Parker

STRUCTURE AND ACTIVITIES

SSTL was established in 1985 as a spin-out company from the University of Surrey. In 2008 the Company set up a US subsidiary, Surrey Satellite Technology LLC with offices in Denver, Colorado. SSTL is an independent company within the Airbus Group.

SSTL is the world's leading small satellite company, delivering operational space missions for a range of applications including Earth observation, science and communications. The Company designs, manufactures and operates high performance satellites, ground systems and space sub-systems.

SSTL is certified to ISO 9001: 2008 and ISO 4001: 2008 and employs over 500 staff.

MAIN SPECIALISATIONS

- Earth Observation satellite platforms and payloads
- Telecomms & Navigation satellite platforms and payloads
- Subsystems, including AOCS, reaction wheels, GPS receivers, star trackers, high speed data recorders, RF, on-board computers, propulsion and power management
- Ground Segment, including mission planning systems, mission control centres, ground station equipment, image processing services, mission support and operations
- Launch services
- Space technology training and development programmes

MAIN SPACE CONTRACTS

Since 1981, SSTL has built and launched 47 small satellites with a further 15 currently in manufacture. Our customers include commercial organisations, international governments, ESA and NASA.

Recent satellites and customers

- Navigation payloads for Europe's Galileo programme
- FORMOSAT-7 platforms for NOAA and Taiwan
- KazEOSat-2 and KazSTSat for Kazakhstan
- AlSat-1B for Algeria (ASAL)
- DMC3 constellation for 21AT (China)
- TechDemoSat-1 for the UK government
- NigeriaSat-2 and NigeriaSat-X for National Space Research & Development Agency (Government of Federal Republic of Nigeria)
- exactView-1 for exactEarth



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GENERAL MANAGEMENT

C.E.O.
Olivier Henin
C.C.O.
Arnaud Gisiger
C.O.O.
Olivier Moulin

The company is an independent SME.

STRUCTURE AND ACTIVITIES

SYDERAL S.A. is a main electronic equipment supplier for satellite payload and platform.

The company is looking to offer more widely its competences and services to support third party products.

The company is also involved in non space activities.

MAIN SPECIALISATIONS

The company develops/manufactures on-board equipment including analogue and digital electronic, providing both hardware and software solutions. The main involvement is in the **data handling and data management** as well as in the avionics of the satellite.

Data Handling Equipment for satellite Payloads:

- Mass Memory and Formatting Unit (MMFU)
- Payload & Instrument Controllers
- Sensors & Actuators Control Electronics (also for Platform equipments)
- Payload Boot and Application Software

Provision of Engineering and Production Services:

- Fully qualified production line for automated SMD and hand soldering
- Production tools: Screen Printer, Vapor Phase, Automatic cleaning, AOI
- Computerised EEE storage system (ISO 8). Dry cabinet with low RH 1%
- Custom development of critical and real time multitasking software
- Custom development of integrated electronics (i.e. FPGA & ASIC). We provide technical expertise in system on chip (SOC) and advanced verification



Syderal technicians at work in the clean room (ISO 8)

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