

Orbital systems
Launchers
Ground segments
Satellites
Transversal competencies



SYNTONY is an industrial company, specialized in the design and manufacturing of scientific and technical products dedicated to radio navigation.

SYNTONY works mainly in aeronautics and space, either for infrastructure, or applications.

SYNTONY has been selected in ESA BIC Sud France (ESA: European Space Agency; BIC: Business Incubator Center).

COMPETENCIES & CAPABILITIES

SYNTONY business is to implement GNSS (Global Navigation Satellite Systems) algorithms in software on domains where the current technology is done in hardware, bringing upgrade facilities & easy feature improvement for everybody. The implemented GNSS algorithms cover mainly embedded RECEIVERS and constellation SIMULATORS, for embedded systems, for AIT, but also for ground applications.



SYNTONY

PRODUCTS & SERVICES

Main Products:

- **SOFTSPOT:** GNSS Receiver (multi-constellation, Multi-frequency), software based.
- **CONSTELLATOR:** best-of-class GNSS Constellation Simulator, dedicated to be integrated in hardware-in-the-loop Testbenches.
- **ECHO:** high fidelity record & replay solution for GNSS signals. Can support up to 3 channels, 100Mhz, up to 16 bits I/Q.
- **SUBWAVE:** GPS/GALILEO signal coverage extension for subway stations and tunnels. Application: safety and passenger guidance.
- **SoftSpot IoT:** IoT low consumption GNSS receiver for tracker applications (for example, LEO IoT constellation).

MAJOR SPACE PROJECTS & REFERENCES

SYNTONY has successfully delivered engineering, test and flight hardware and software for a number of international customers ranging from companies such like AIRBUS, ONEWEB, AIRBUS DS, THALES ALENIA SPACE, CNES, ESA, ISRO, OHB, COLLINS, HONEYWELL, MAXAR (SSL), RUAG SPACE, and many others.

Just some examples of projects: all the satellites launched by OneWeb have been tested successfully by our GNSS simulator.

And also, because it is even more specific, we can cite the launcher trajectory simulation or GEO trajectory simulation (including elliptic phase) delivered successfully by our GNSS simulator and used by the major industrials or agencies.

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TURNOVER 5 M€

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