

Profile

Sector: SatCom, Aerospace
Product: Small Satellite Platforms
Established in: 2005
Staff: 10
Capital Raised: 200 K€
Burn Rate: 12.000 €/Month
Pre-Money value: 3 M€
Capital sought : 600 K€

Metrics

12 Years in Space market
3 Space missions participated
24 Space Contracts finished
AS 9100D:2016 / ISO 9001:2015
1 Record Guinness

Team



José A. Carrasco
CEO



Francisco García-de-Quirós
CTO



Enrique Domingo
Business Dev. Manager

Small satellites revolution by Laser communications for highest performance applications.

Problem

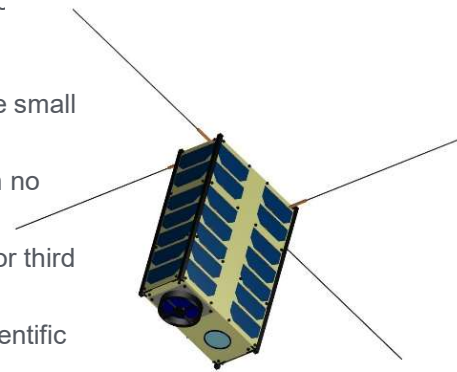
Emerging small satellites demand exponentially growing data processing capacity and communication data rates. Coming satellite megaconstellations are facing a critical situation due to the scarcity of RF channels available and large mass and volume required by traditional RF systems, which impacts dramatically on final costs.

Solution

ODALISS Free-Space Optical communications implements the feeder communication downlink (ground to satellite and vice versa) with IR laser, and it is based in an innovative technology to replace, at very competitive costs, traditional systems operating at increasingly crowded radiofrequency bands, enabling high transmission data rates in small satellites at much lower implementation costs.

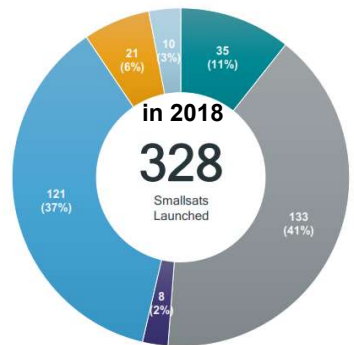
Product

ODALISS is a complete high-performance small satellite platform designed and optimized around an optical communication link with no moving mechanical parts ready to accommodate data-intensive proprietary or third party payloads such as Earth observation cameras, communications systems or scientific instruments.



Market

The market of small space platforms (<50kg) is expected to be 2.000 to 2.800 units over the next 5 years, not counting large constellations (SpaceX, Amazon, OneWeb and Facebook), which add >15.000 units over the next decade. Smallsats manufacturing market volume reaches >19 B\$ by 2027 at CAGR >20%.



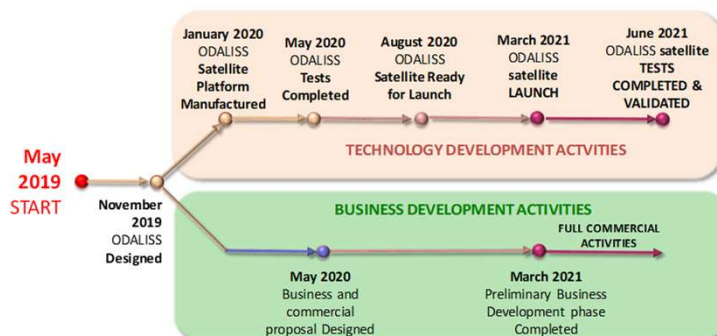
Business Model

ODALISS business will be based in:

- Commercialization of ODALISS satellite platforms to satellite constellation operators seeking for a high performance platform.
- Selling data link access services through EMXYS proprietary network of Optical Ground Stations.

- Communications
- Technology Development
- Military and Intelligence
- Remote Sensing
- Scientific
- Other/Unknown

Roadmap



A project by:



Contact

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