

SWISSto12 SA

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SWISSto12 awarded funding from the European Space Agency to collaborate with Cobham Antenna Systems on development of additive manufactured antennas.

SWISSto12 has been awarded funding from the European Space Agency's ARTES program to develop and test additive manufactured satellite user antennas (i.e. user terminal front ends). Cobham Antenna Systems joins the project with in kind contributions and is exploring, with SWISSto12, how additive manufactured antennas could fit into its future product portfolio.

The use of additive manufacturing for satellite user antennas is of particular interest for emerging high data throughput satellite telecommunication services in Ku and Ka bands where traditional user antennas are currently complex and costly to produce. This collaborative project aims at showing significant weight and cost reduction for Ku or Ka band satellite user antennas. This improvement will contribute to larger scale market penetration of high data rate satellite connectivity services.

For more information please visit the company websites:

- www.swissto12.ch
- www.cobham.com/microwave-antennas.com

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About SWISSto12:

SWISSto12 is an innovative technology company that spun off from the Swiss Federal Institute of Technology in Lausanne (Switzerland) in 2011. The company pioneers the development and commercialisation of radio-frequency (RF) antenna, waveguide and filter products based on additive manufacturing.

The company specialises in product designs, which are then 3D printed in high-performance plastics and subsequently metal plated through a proprietary process. This novel approach to manufacturing replaces traditional machining of metallic materials. In this context, SWISSto12 products feature drastic weight reductions, extended design flexibility and reduced production costs.

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About Cobham Antenna Systems:

Providing peace of mind with resilient data transmission solutions for mission critical operations.

We are a market-leading supplier of advanced, ultra-reliable integrated systems for avionics, radar, surveillance and Satcom applications.

Through continual innovation we are able to supply highly resilient, totally dependable solutions with low through-life costs that deliver outstanding performance and outstanding value.

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