



Press Release

Swiss Space Systems (S3) develops its activities in Spain and strengthens its network of Spanish partners

- **Elecnor and its technology brand, Elecnor Deimos, have participated in the creation of the new company**

Gran Canary (Spain) — December 12, 2013. The aerospace company, Swiss Space Systems (S3), officially inaugurated its daughter company, S3 Spain, in the presence of the Minister of Industry, Energy and Tourism M. Jose Manuel Soria Lopez, representatives of the local and national authorities as well as international guests. The company will be run by Augusto Caramagno. Swiss Space Systems Group already has a partnership with both Elecnor and its technology branch, Elecnor Deimos, but the new S3 Company represents another important step in the development of its activities in Spain. Sener and Aernnova Engineering are also joining-in, and the 4 companies are forming an “Association of partners” of S3-Spain. The new Spanish entity will play a key role in the engineering of the sub-orbital flight system, as well as in the manufacturing of the Upper-stage. The Canary region will be the first European operations center as S3 will launch satellites from there in 2018. This will also be the first European location where S3 will operate Zero-G flights.

Swiss Space Systems (S3) is developing its activities and now counts with more than 50 employees in Switzerland and the US. The engineering team, helped by their industrial and academic partners, is progressing on the Research & Development phase of the small satellite launching system, based on an Airbus aircraft carrying the SOAR sub-orbital shuttle on its back. During the last quarter of 2013, the company developed partnerships in the US and established subsidiaries there. It also signed a partnership with the Russian Bauman University and is developing its network in this country.

In Europe, S3 already counts with a strong network of industrial and institutional partners from France, Belgium, Italy and Spain. Elecnor and its technology branch Elecnor Deimos are the first such partners from Spain, in charge of Mission Engineering and of the Guidance Navigation Control system of the SOAR. S3 will also rely on facilities in Spain for the integration and testing of the upper-stage, and for processing of its payload in a clean-room prior to the launch campaign.

Important developments in Spain for S3 helped by its prestigious Spanish partners

S3 established a company in Spain to pursue its targets in the European market. The company will be run by Augusto Caramagno, currently in charge of Business Development of Southern Europe and Africa for S3 Holding. Augusto previously worked for Elecnor Deimos and has extensive knowledge of the aerospace stakeholders in Spain and beyond. *“Spain represents a destination of choice for S3 to achieve its objectives, both in terms of engineering and operations”* outlines Augusto Caramagno *“The main reasons for that lay in the maturity and track record of the Spanish aerospace sector, and the availability of airport infrastructure at various suitable locations for S3 operations”*. The company aims to create 80 permanent jobs between now and 2017 considering the activities planned for S3-Spain and its partners.

In order to reinforce its presence in the country, S3 Spain will count on a strong network of partners of its own. Besides Elecnor and Elecnor Deimos, Sener and Aernnova Engineering have both signed agreements with S3.



Sener and Elecnor Deimos will cooperate with S3 on the design of the on-board control system, while Aernnova Engineering will contribute to the aero-structure of the S3 system.

These companies intend to form an "Association of Partners of S3" to coordinate their efforts on the European market. *"It is important to be on the same page to help develop the S3 project. We, as Spanish partners, are supporting S3 in the Engineering of the sub-orbital flight system (SFS)"* said Diego Rodríguez, SENER Space and Defense Director.

"For Elecnor Deimos it is of paramount importance to be a core partner of S3, the most ambitious project to design the future of the commercial space transportation" outlines Miguel Belló Mora, CEO of Elecnor Deimos

Spain will serve as European operations center for S3

The Payerne (Switzerland) S3 headquarters will remain the place where the main Research & Development is being conducted. The manufacturing of the elements and subsystems of the SOAR and upper-stage will be done by partners abroad, in Spain among other countries. The assembly, integration and initial tests of the shuttle will be conducted in Payerne.

The Canary Islands region represents a perfect location to have test facilities for subsystems, mock-up, engines and complete system flight tests in 2017. A Spaceport would be built there for the integration of satellites with the SFS and first commercial launches in 2018. This infrastructure could also offer sub-orbital manned flights in a later phase. Before these launches, Gran Canary will also be a key area for S3, as it will be the first European location for Zero-G flights to be operated for research and leisure purposes. S3's decision for the Canary Islands was motivated by the high level of support received from the "Sociedad de Promoción de Gran Canaria (SPEGC)".

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S3 images can be downloaded from the following address:

<ftp.mra-es.es>

Usuario: sdz9463

Contraseña: Madrid13

(Pictures of the event will be available in the afternoon)

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About Swiss Space Systems

Swiss Space Systems Holding SA is a Swiss company founded in Payerne. It combines and supervises the activities of its affiliate companies. The objective of the S3 group is to develop, build, certify, and operate suborbital shuttles for the deployment of satellites up to 250 kg. The company currently has 50 employees, and its global budget up to the first satellite launch is around 250 million Swiss francs.

www.s-3.ch

About Elecnor

Elecnor develops projects involving infrastructure, renewable energies and new technologies. It has 12,500 employees and is present in over 30 countries. *For more information visit www.elecnor.com*

About Elecnor Deimos

Elecnor Deimos Elecnor's technological area, specialises in designing, engineering, developing solutions and integrating systems in the aerospace, information systems and telecommunications network sectors.

Elecnor Deimos is involved in activities such as Mission Analysis, Systems Engineering, Guidance, Navigation and Control (GNC), Attitude and Orbit Control Systems (AOCS), Ground Segment Systems and On-board Software Systems. Elecnor Deimos is present in all the phases of a space mission for most ESA Programmes and boasts the expertise to carry out complete space missions, such as its own Earth Observation Missions: DEIMOS-1 and DEIMOS-2.

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