

GALACTIC SUITE DESIGN

PRESS RELEASE

Galactic Suite design bursts onto the scene as a design supplier in the aerospace sector

The company was conceived to offer conceptualisation and design services for the space industry

Its initial projects feature a shelter in the Himalayas and an inflatable aircraft

Barcelona, April 2009.- In Barcelona, a group of aerospace architects and engineers have set up the Galactic Suite Design company, whose core activity is the creation of concepts and design for the aerospace sector.

The new company has been set up with a view to becoming a reference in design in the aerospace industry, a sector regarded as strategic and which may constitute a way out of the current economic situation. In Catalonia alone, this industry recorded a turnover of 112 million Euros in 2007, which represents 3% of the total for Spain, and provides employment to almost 900 people.

The new company, which dates back to the beginning of 2006 with the design of the first space hotel, Galactic Suite (www.galacticsuite.com), offers its services to companies from the aerospace sector that seek to renew their concepts and reorient their products to satisfy people.

Its areas of action include a new way of looking at individual and collective transport; the conceptualisation of new spaces and times in air, road and railway transport; the personalisation of aircraft, cars and trains and aerospace interior design. As a design supplier, its potential clients include ESA, NASA, EADS-Astrium, Airbus, Boeing, Lockheed-Martin, Thales-Alenia, Alstom, etc.

GS Nearspace

One of its first commissions is the GS Nearspace, which will consist of the development of a reusable aircraft to initially accommodate 6 passengers and one crewmember up to a flight altitude of 70 km, in the so-called "near space" area, where the passengers will be able to observe deep space and a considerable curvature of the horizon, although they will be unable to float in microgravity.

The flights will be made in hermetic capsules with systems for the generation of artificial atmosphere, thermal control and solar capture to generate electricity.

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These ships may be used for short stays, ranging from a few hours to 1 to 2 days.

The balloons will operate from a land base which will consist of an embedded architectural structure, with full hotel services (lobby, restaurants, rooms, conventions centre, spa and wellness), from which the balloons will take off daily for near space

GS Himalayas

Another commission received by the company is the development of a hotel on the Himalayas mountain range. It is conceived as a non-permanently occupied shelter that will be comprised of 8 spherical modules including an access module, 3 suite modules, a common space-restaurant module, a wellness-spa module, a service module and another installation and energy generation module. The modules will have artificial atmosphere and thermal control systems. They will be constructed as aluminium and compound material multilayered structures, and will be transported to and assembled on the site by Skycrane S-64-type helicopters.

Large aluminium and glass structures will offer impressive views of Mount Everest from any point. The hotel will accommodate up to a total of 6 guests and 3 employees for periods of between 5 and 8 days at an altitude of 7,500 metres. The interior design features continuous and undulating spaces with protuberances that house all the necessary equipment and with warm and sensual materials.

The project also includes the development of an overland access vehicle and another air vehicle. The overland vehicle, which draws its inspiration from the movement of caterpillars and spiders, will be able to traverse rough surfaces with a minimum impact. The vehicle will be driven by means of an electrical engine that will be equipped with solar panels and will have a sealed capsule for a crew of 4 with thermal control and artificial atmosphere. The aircraft is inflatable, with capacity for initially 2 passengers and one crewmember to a flight altitude of 8 km, in the area called the stratosphere, where the passengers can enjoy a flight unaffected by the Earth's topographic features.

Besides the GS Nearspace or GS Himalaya, Galactic Suite Design is also working on future projects for developing the living spaces for man's return to the Moon and subsequent voyages to Mars.

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