Swiss Space Systems (S3)

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SWISS SPACE SYSTEMS (S3)
S3 – OUR COMPANY

• Founded in November 2012 in Payerne, Switzerland. 65 persons in Switzerland, Spain & the US. (20 more hires planned Q1, 2015)

• Our objective: to develop, build, certify and operate reusable suborbital spaceplanes for launching satellites of up to 250 kg, and future human point-to-point transportation

• Overall budget: approximately $270 million USD ($250M CHF) until first satellite launch scheduled in 2018

• 200 dedicated engineers involved in project with industrial partners, who participated in former European Hermes program; access to $Billions in existing R&D
S3 PLATFORM: A PHASED & MONETIZED APPROACH LEADING TO FUTURE MANNED HIGH-SPEED TRAVEL

Zero-G Flights, Infrastructure management and operations

SOAR Shuttle commercial flights for satellite deliveries

Pressurized manned cargo module for high-speed travel

All phases generate operational revenues!

Mid/2015 → 2018 → 2020s
FIRST PHASE OF SPACE SHUTTLE DROP-TEST PLANS WERE ANNOUNCED IN JUNE 2014:

- Tests completed in North Bay, Canada in October 2014
- Captive helicopter flights; telemetry and communications equipment flown in several configurations; validation of equipment for Spring 2015 reduced-scale shuttle glide at North Bay’s YYB airport
2nd PHASE DROP-TESTS PLANNED IN NORTH BAY:

- Reduced-scale shuttle mockup drop-test flights in late 2015
- Shuttle release to autonomous glide path from 12,500 ft to YYB airport
- Collection of data to validate computer models before start of construction of SOAR shuttle
WHAT WILL S3’S ZERO G FLIGHTS OFFER?

- Reduced/zero gravity flights with parabolic-shaped flights conducted by a late-generation Airbus aircraft, which simulates a weightless environment.

- While following this path, the aircraft (passengers and cargo) will be in free fall at certain points of its flight itinerary.

- Each of those maneuvers, called parabolas, will provide between 20 to 25 seconds of reduced or zero gravity 15 times during a typical 2-hour flight.
RENDERING OF S3 ZERO G AIRCRAFT

S3 Zero G©

Swiss Space Systems Holding SA
ZERO G CONFIGURATION IN 3 CLASSES

VIP room of up to 12 pax at EUR 50k (CHF62k / US$68k) minimum

Party Zone of up to 40 pax at EUR 1,990 p.p. (CHF2,500 / US$2,700)

Premium Zone of up to 28 pax at EUR 5,000 p.p. (CHF6k / US$6,700)

VIP and Premium Zone passengers receive an exclusive black titanium BREITLING S3 ZeroG timepiece engraved with name and date of the flight
PROJECTED ZERO G INTERIOR RENDERING

PictureAftCabinLookingFore
S3 ZERO G LOCATION OF PAYLOAD CONTAINERS FOR SCIENCE & RESEARCH

Industry first: Science racks will have interactive 2-way telemetry access for individual researchers via securitized near real-time IP data flow from ground or off-site!
S3 ZERO G CARGO CONTAINER HOLD