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Swiss Space Systems (S3)

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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©
ZERO G CONFIGURATION IN 3 CLASSES

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

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

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

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