

Surrey Satellite Technology Ltd

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Managing Director, SSTL
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Changing the economics of space



Surrey Satellite Technology Ltd



500 staff. Surrey UK & Denver US

- 2015 celebrating SSTL 30th year
- One of the most successful University spin outs
- Continued strong relationship with Surrey Space Centre – SSC.
 - SSC Horizon scanning low TRL

Small satellites: Enabling new architectures



Years+ in operation.
6 Oct 1981 to date.



Share of global small satellite market.

2.4

Spacecraft launched per year

27

Launches from 8 launch sites



Lightest SSSL spacecraft (STRaND-1)



Heaviest SSSL spacecraft (GIOVE-A)



Number of satellites currently operated or monitored from our Mission Control Centre

500+

SSSL satellite years in orbit



Longest duration SSSL satellite operating in orbit (years)



SSSL satellites launched



Number of SSSL constellations deployed and under contract (DMC, RapidEye, F7, DMC3, Galileo, Kanopus)



Space Agencies formed



SSSL space development and training programmes



Spin-out companies



Satellites in manufacture



Payloads in manufacture

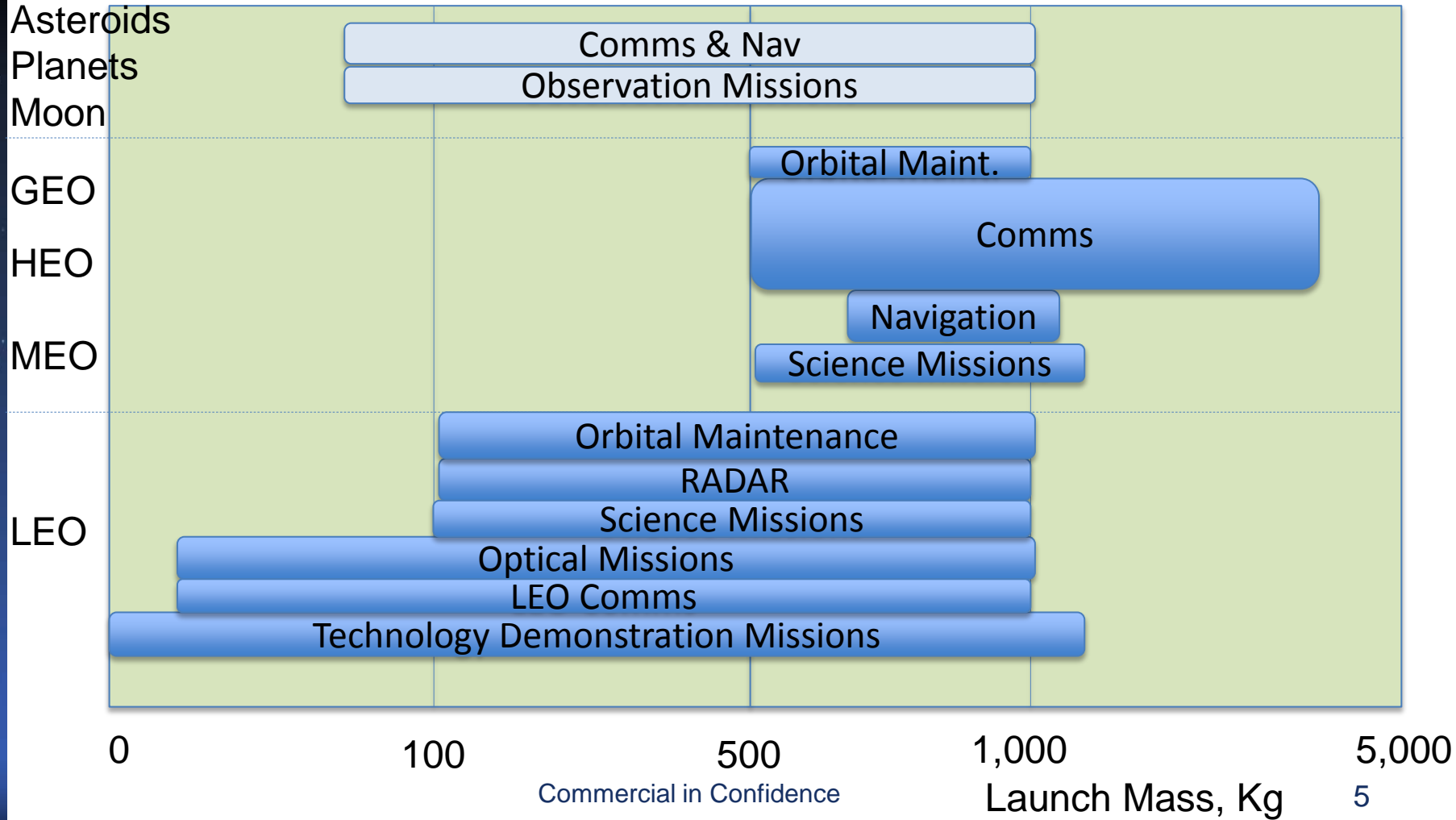


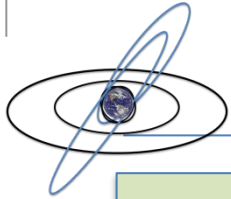
Complete capability

- Mission concepts & System design
- Technology transfer & training programmes
- Satellite design
- Satellite manufacturing & Assembly, Integration & Test
- Payload integration
- Full Platform range
 - LEO, HEO, MEO, GEO
- Launch vehicle services
- Launch campaign
- Satellite operations
- Ground control /processing

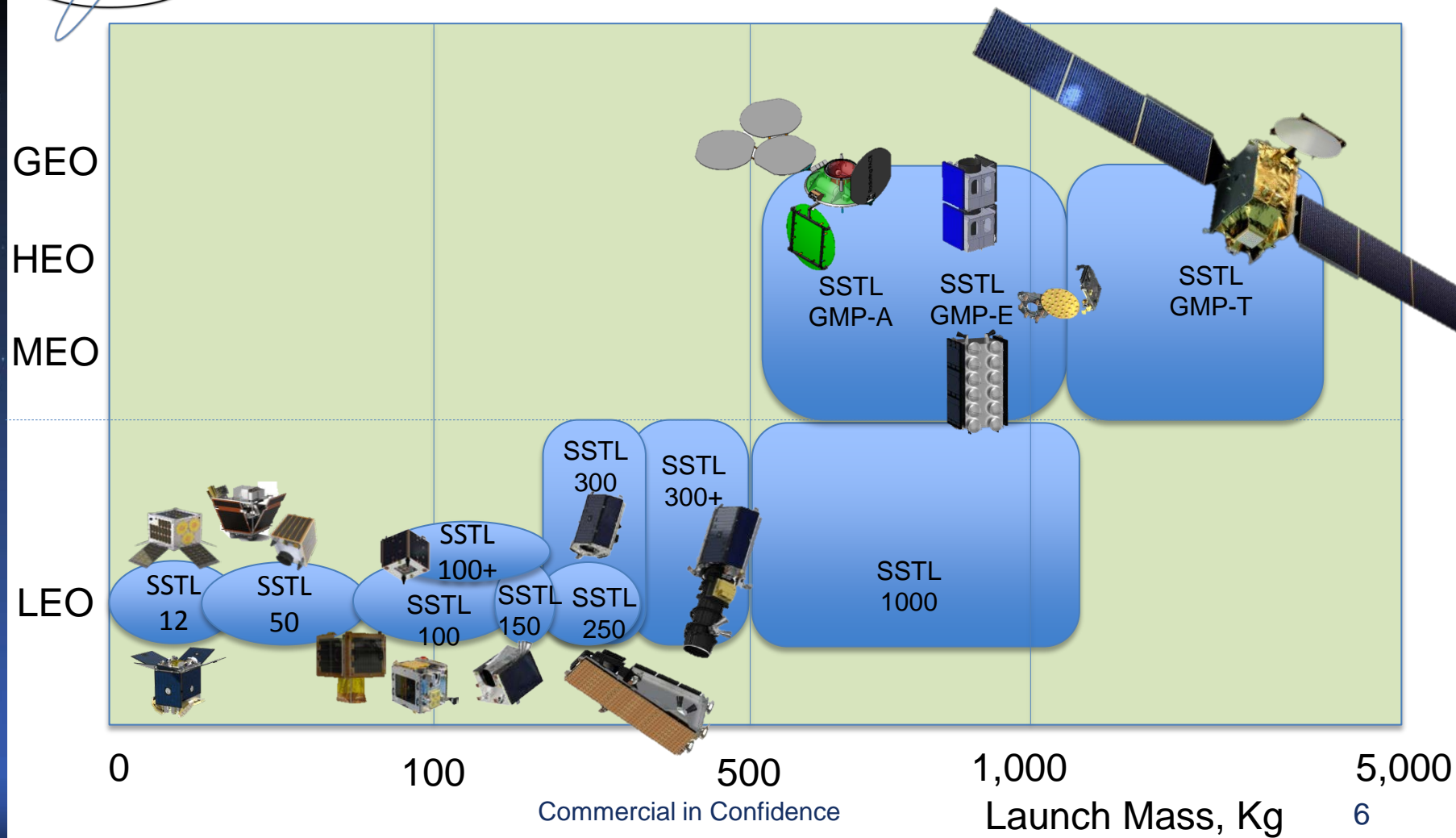


SSTL Missions





SSTL Product Range



Commercial in Confidence

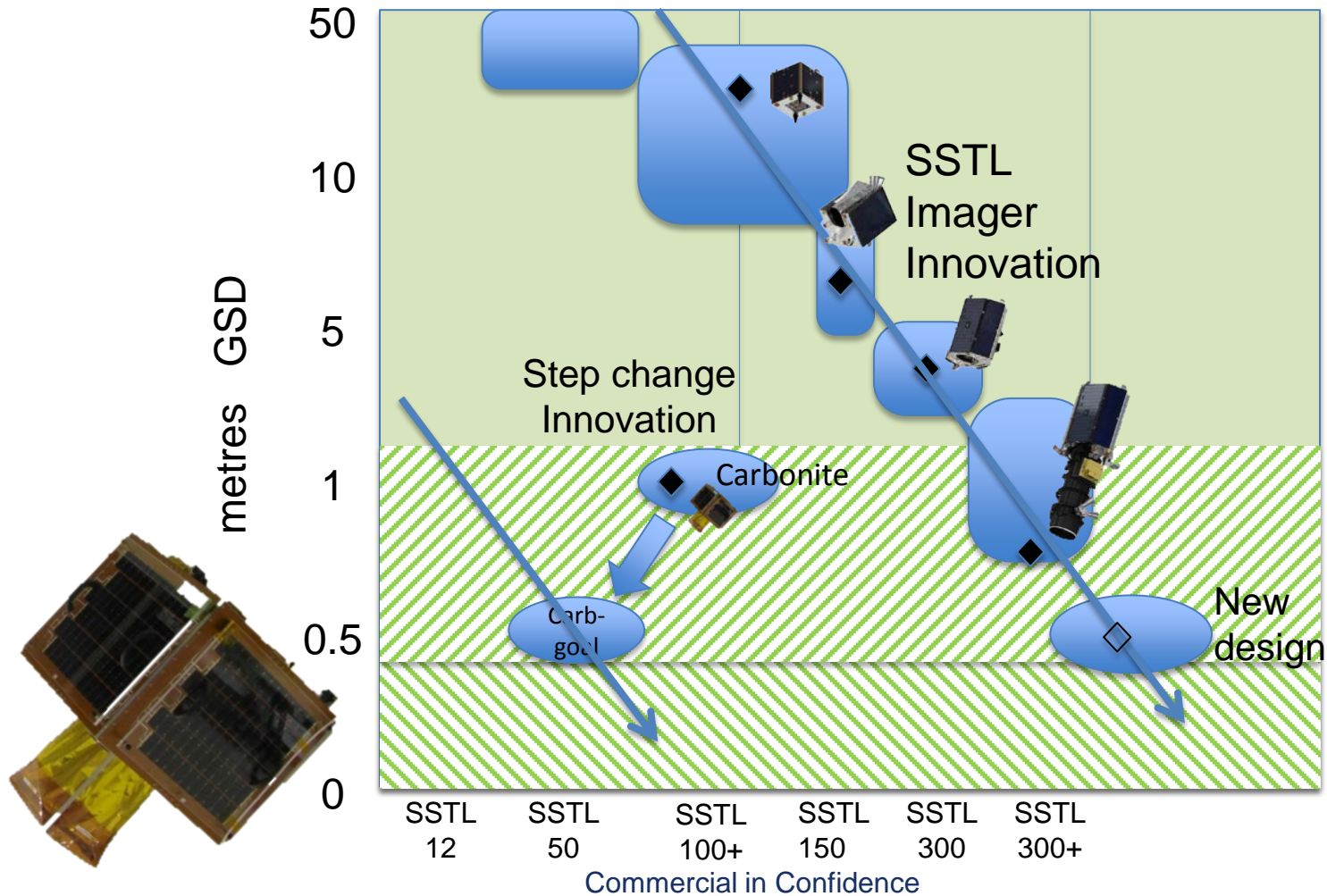
DMC3 1-metre resolution, high capacity dedicated constellation



- SSTL built and launched 3 EO satellites (1-metre native GSD)
- Leasing imaging capacity to info services company 21AT, Beijing
- Owned & controlled by SSTL
- Design capable of 75 cm GSD at lower orbit
- Launched July 2015
- 3 SSTL 300 S1 sats
- 7 years lifetime
- Worldwide reach with Daily access

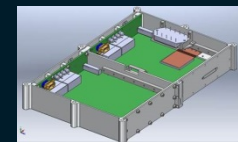
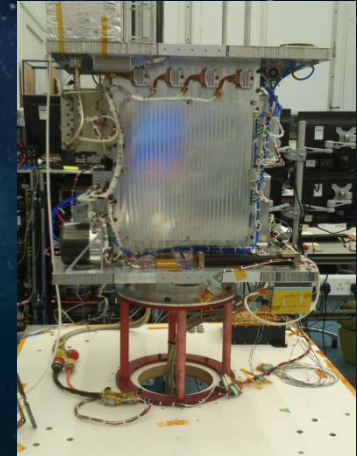


SSTL Earth Observation - Optical



From Nano to GEO

- Low TRL horizon scanning; SSC, Harwell, AGI
 - E.g. EP, microvib, Apps, Adhoc networks, Optical comms
- SSTL 12: NanoSat Engineering group – NanoLab
- Encourage more 100Kg+ TDS missions
 - Platform and Payload in orbit heritage
- Looking forward to UK low cost access to space
- Harwell is key:
 - Environmental Testing facility, Low TRL research, ESA interaction, Downstream applications exploitation
- But also utilise regional centres like Surrey
 - Research, Education, SSTL, Downstream Apps



Surrey Satellite Technology Ltd

Pioneering low cost satellites

Focus applications, innovation and value

Complete end to end solution

Partnership approach to deliver low cost, high value capability

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