

Government, Industry and Academia for Growth and Sustainability of Space Programmes

Examples from SSTL's Know-how Transfers

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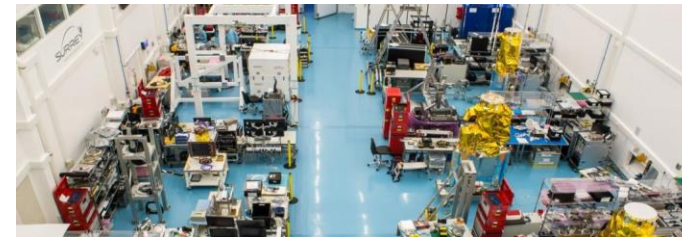
Pioneer of the Smallsat Revolution and Capacity Building

Small satellites and constellations | Manufacturer and operator | Know-how Transfer
Supplier to governments, commercial and academia

20 KNOW-HOW TRANSFERS

SSTL EMPLOYS 400 STAFF

69 SATELLITES LAUNCHED



Doing Space Differently.

SSTL is **vertically integrated**, with full capability to design from component parts, build, test, launch and operate space missions. This gives control over **Cost, Schedule and Risk**.

With **IP ownership**, SSTL can **licence** its designs, or provide comprehensive hands-on and **on-the-job training** for its customers wanting to build their own spacecraft with small teams.

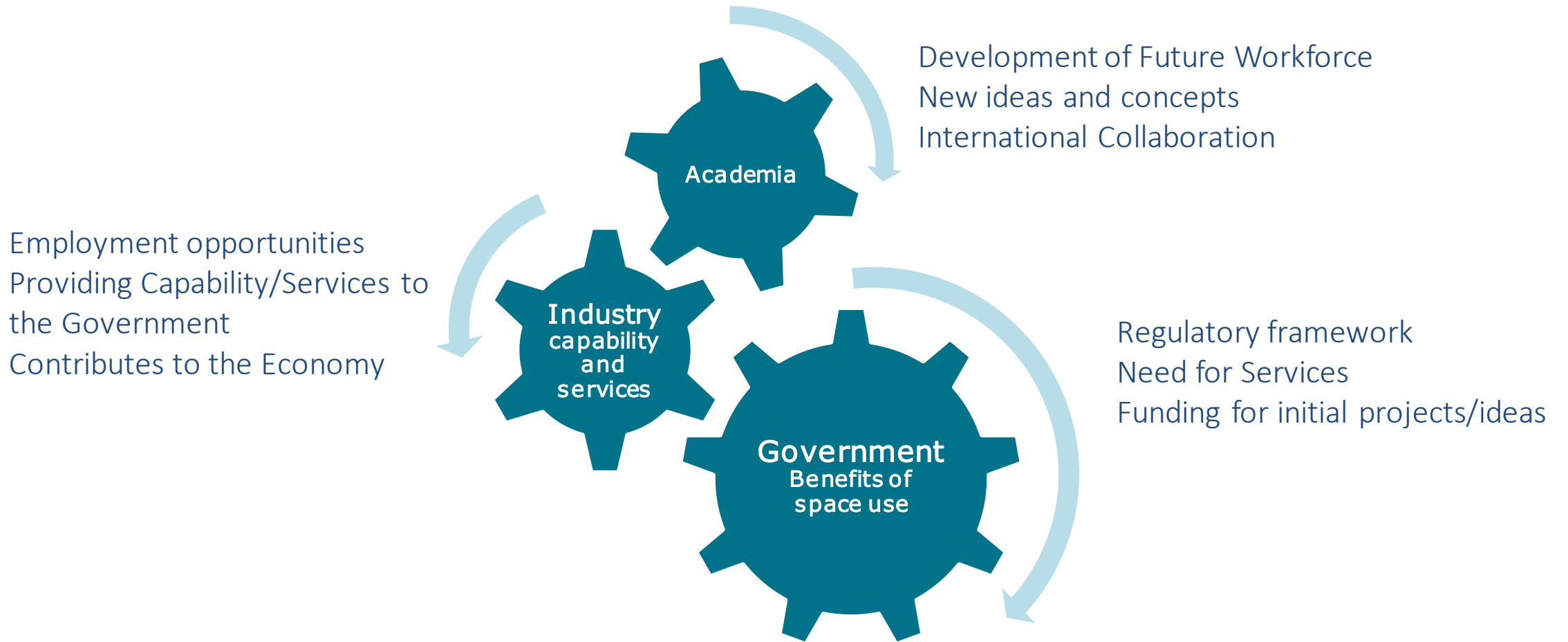
Our focus on **value-for-money** and **return-on-investment** makes us the leading provider of commercial operational LEO spacecraft for **smallsat owner-operators**.

Established in 1985 as a spin-off from University of Surrey
Currently an Airbus Defence and Space company



Inter-dependencies

For the national space programme to grow and spur innovation and be sustainable in the long term, it is essential to have industry, academia and government all playing their part.



Examples of Growth and Progress

8	Procure GEO satellite	Alcomsat	NigComSat	Thaicom series
7	Build locally			
6	Build through mutual international collaboration	2016-AlsatNano		
5	Build locally with outside assistance	2016-Alsat-1B		2019-Theos-2
4	Build with support in Partner's Facility		2009-NigeriaSatX	
3	Procure with Training Services	2002-Alsat-1A	2003-NigeraSat-1	1997-Thai-Paht
2	Establish current Agency	2002	1998	2002-GISTDA
1	Establish First national Space Office			

Technology level of space programme



Algeria



Nigeria

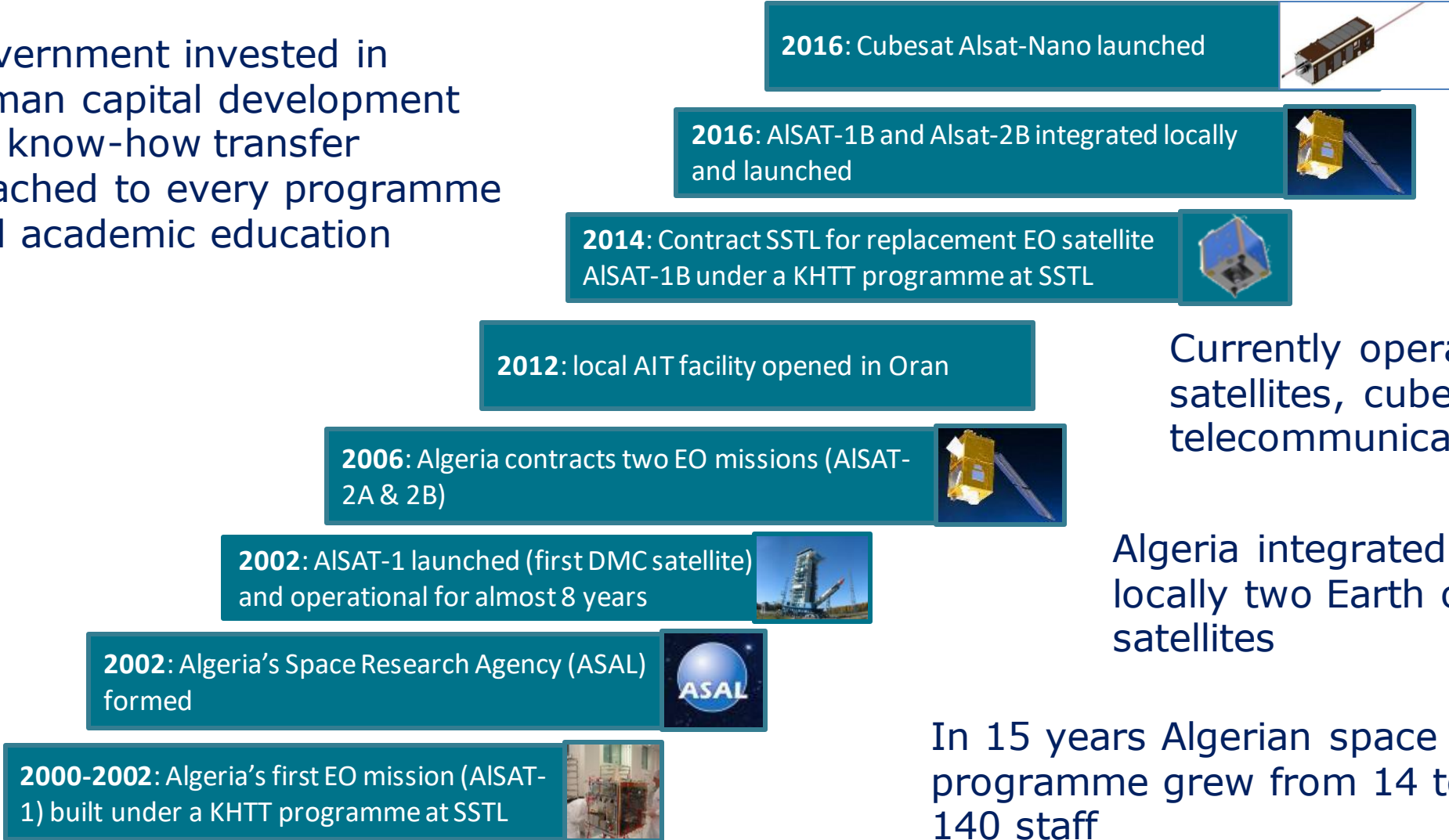


Thailand

Algerian Space Programme



Government invested in human capital development via know-how transfer attached to every programme and academic education



Currently operates 2 EO satellites, cubesat and telecommunications satellite

Algeria integrated and tested locally two Earth observation satellites

In 15 years Algerian space programme grew from 14 to 140 staff