

UK Satellite Manufacturing Supply Chain (Today)

Tiers 1, 2 & 3

AAC Clyde Space
Airbus Defence & Space
Alba Orbital
Astroscale
BAE Systems
Exobotics
Open Cosmos
Orbital Astronautics
Space Forge
SSTL
Third Planet Orbital

Tier 1: The Satellite

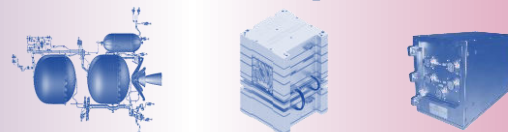
10
Companies



OEM/prime/systems integrators
producing finished spacecraft

Tier 2: Subsystems

25+
Companies



Companies combining assemblies into
subsystems

Tier 3: Assemblies

30+
Companies



Companies combining components and
parts with a specific function

Tiers 1 & 2

Spire Global

Tiers 2 & 3

AVS
Bright Ascension
Honeywell Aerospace
MDA Space
Nammo
RAL Space
Raytheon UK
STAR-Dundee
Teledyne
Thales Alenia Space
URA Thrusters

Tier 1 only

Infinity Space

Tier 2 only

Craft Prospect
Lacuna Space
Magellan Aerospace
SteamJet Space Systems

Tier 3 only

ABSL Power Solutions	Veoware
Beck Optronic Solutions	XCAM
MVP Aerospace	
NewSpace Systems	
Oxford Space Systems	
Plextek	
Qioptiq Space Tech	
Reliasat	
Terma	
TK Instruments	

Tier 4 Components & Parts

100s
Companies



Examples:
• Actuators
• Composites
• Engine injectors
• Valves

Tier 5 Hardware & Materials

100s
Companies

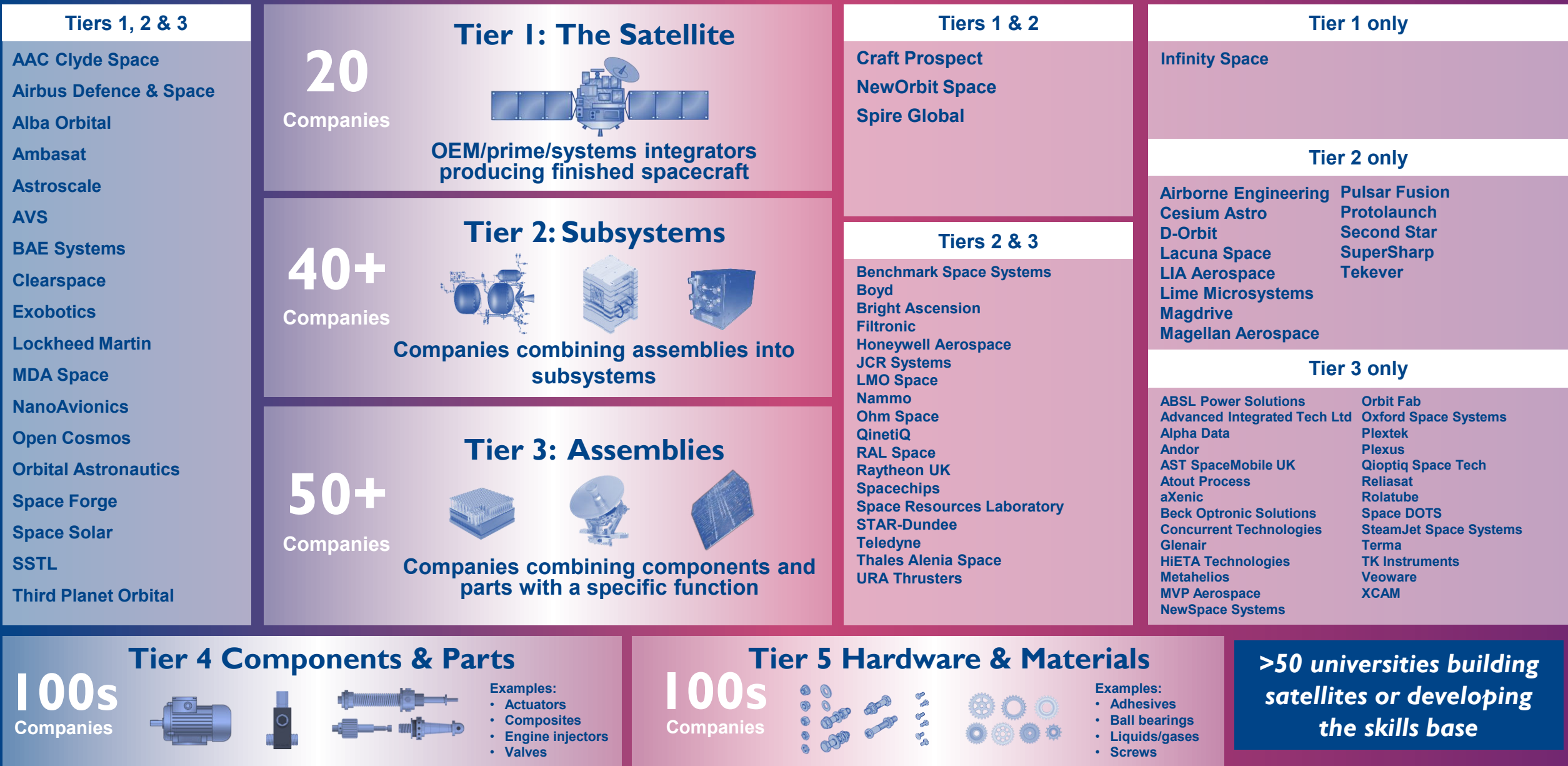


Examples:
• Adhesives
• Ball bearings
• Liquids/gases
• Screws

**137 satellites produced in
the UK from 2020-24,
74% were exported**

Ref: Resonance

UK Satellite Manufacturing Supply Chain (Future)



UK Satellite Manufacturing Academic Landscape

Tiers 1, 2 & 3

Cranfield University
Imperial College London
Kingston University London
Northumbria University
The Open University
University College London
University of Bath
University of Birmingham
University of Bristol
University of Cambridge
University of Glasgow
University of Leicester
University of Portsmouth
University of Southampton
University of Strathclyde
University of Surrey
University of Warwick

Tier 1: Building & Testing

20+
Universities



Universities building or testing
hardware for spacecraft

Tier 2: Researching

45+
Universities



Universities producing satellite
manufacturing research (inc. PhDs)

Tier 3: Teaching

35+
Universities



Universities teaching courses or modules
directly related to satellite manufacturing

Tiers 1 & 2

Cardiff University
Durham University
University of Nottingham
University of Oxford

Tiers 2 & 3

Aston University
Brunel University
Heriot-Watt University
Leeds University
Queen Mary University of London
Sheffield Hallam University
Swansea University
University of Aberystwyth
University of Bradford
University of Kent
University of Manchester
University of Sheffield

Tier 1 only

Tier 2 only

Cardiff Metropolitan University
De Montfort University
Glasgow Caledonian University
Huddersfield University
Leeds Beckett University
Manchester Metropolitan University
Oxford Brookes University
Royal Holloway University of London
Southampton Solent University
Ulster University
University of Aberdeen
University of Brighton
University of East Anglia
University of Edinburgh
University of York

Tier 3 only

Teesside University
University Centre Truro and Penwith
University of Central Lancashire
University of Hertfordshire
University of South Wales
University of the West of England

**54 out of 165 universities
directly support satellite
manufacturing in the UK**

Many other universities:

- Host facilities that could be used for satellite test and integration
- Research space-related topics
- Teach space-relevant courses

Universities are supported by:

SPAN
SPACE ACADEMIC NETWORK



Space Universities Network
Supporting the Space Higher Education Community