

ESA SPACE SOLUTIONS DOWN TO EARTH

ESA Technology Transfer Activities Within the UK
Matthew Edwards
CEOI-ST Technology Showcase
13/11/2014

OUR MISSION

INSPIRE and FACILITATE

the use of space technology, systems and know-how for non-space applications.

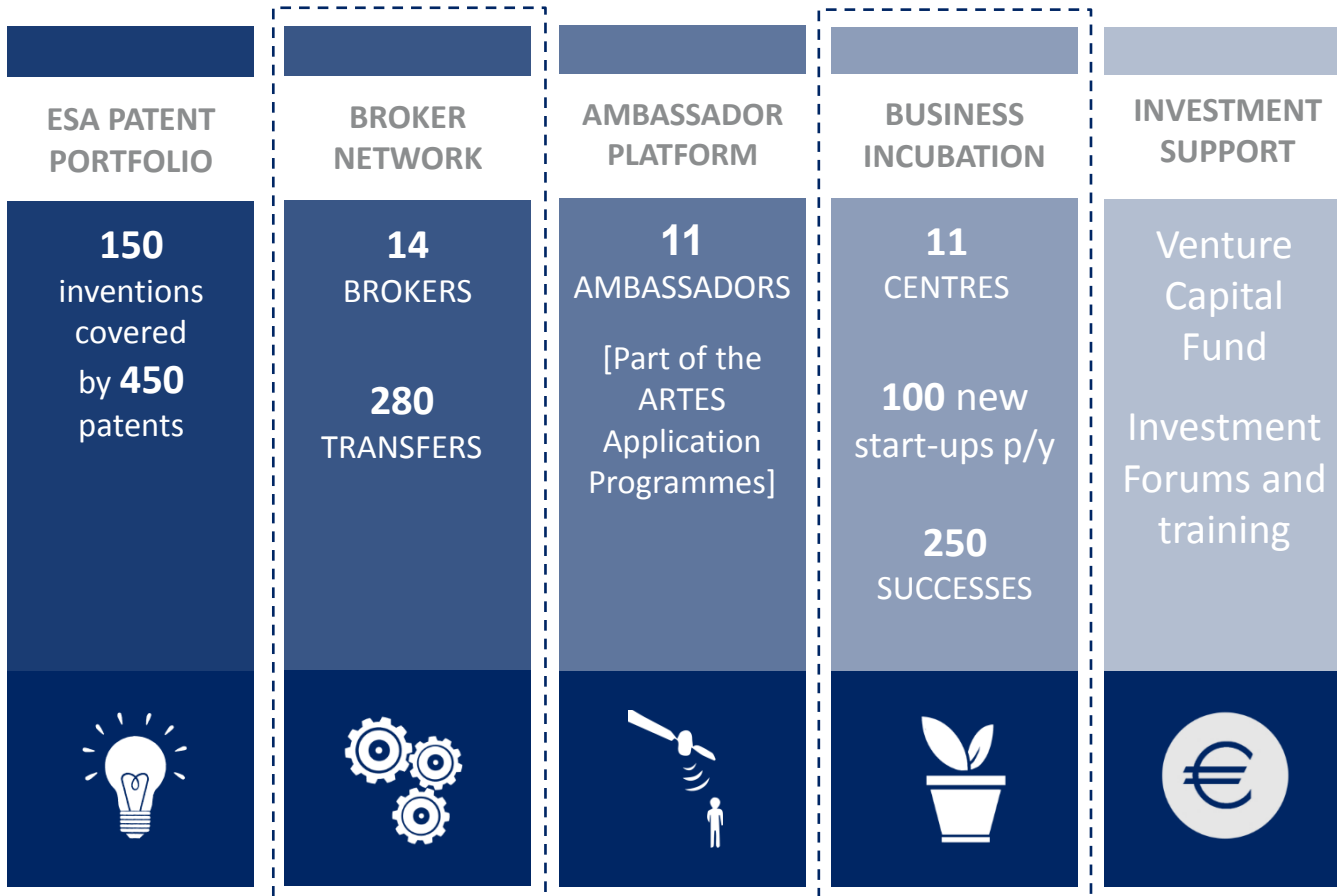
STRENGTHEN EUROPEAN INDUSTRY

by identifying new business opportunities for providers of space technology and systems as well as enhancing its know-how and competitiveness.

BOOST LOCAL ECONOMY

By creating jobs, investing in start-ups and supporting sustainable innovation.

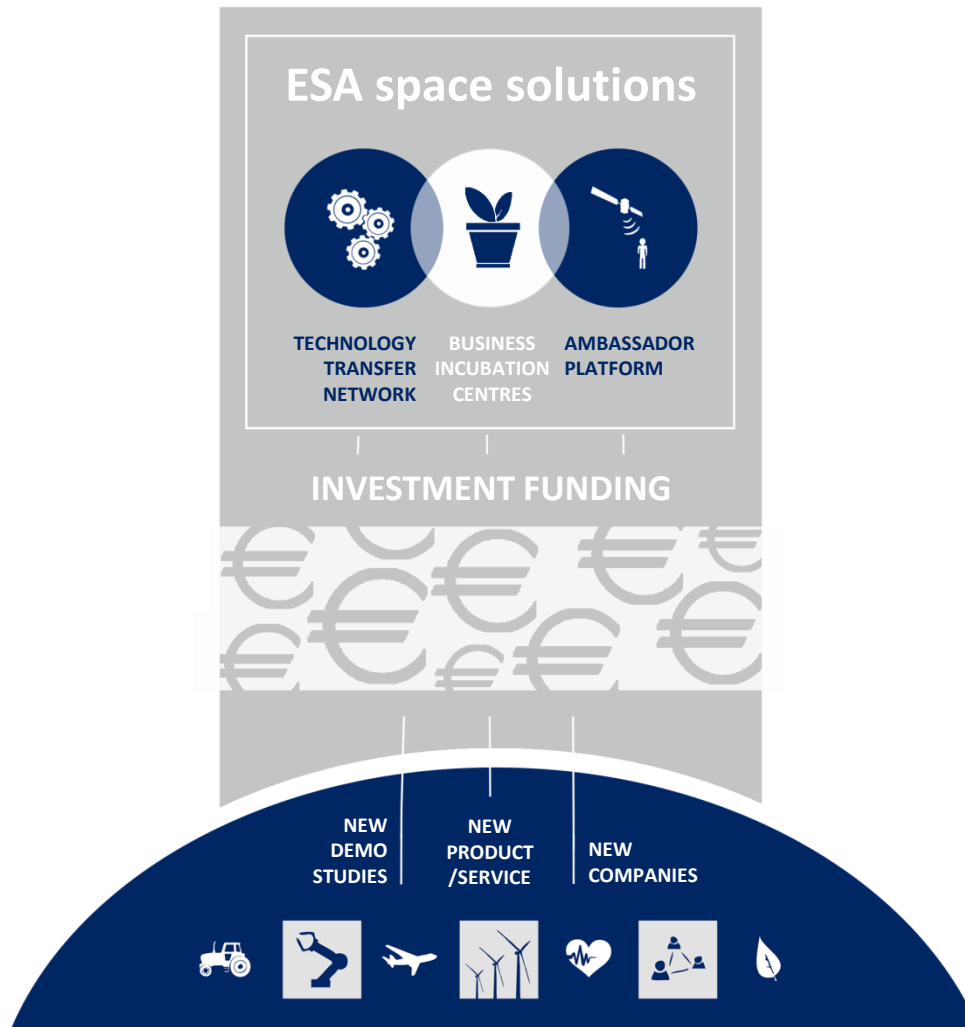
ESA SPACE SOLUTIONS



ESA SPACE SOLUTIONS



space solutions



OUR SUCCESSES

**ESA space solutions – European network
of competence and reach-out power
to propel the European Future.**

150 inventions covered by **450** patents

14 BROKERS, **280** TRANSFERS,

11 CENTRES, **100** new start-ups yearly,
total **250** business success stories

**SPACE-UP YOUR
BUSINESS WITH US!**

ESA BROKER NETWORK

ESA BROKER NETWORK

15 Transfers
per year

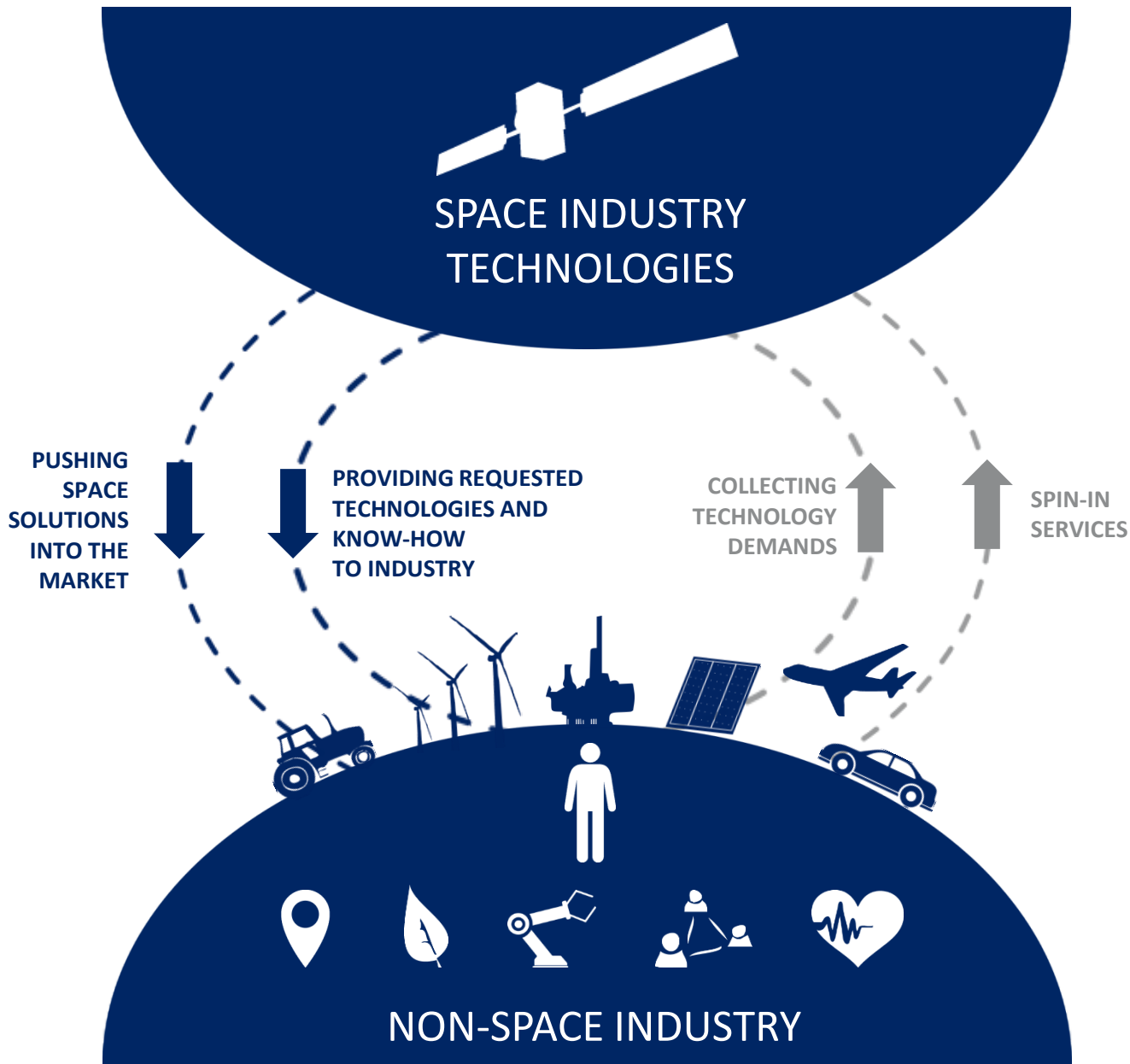
280 Transfers

ESA Technology Transfer
Network
Across 14 Countries



LEGEND

- ESA Broker
- ⦿ ESA Broker Prime Contractor



TECHNOLOGY TRANSFER

SUCCESS STORIES OF BROKERS



space solutions:
FROM SPACE TO NON-DESTRUCTIVE TESTING

**START-UP?
START NOW!**

ESA BUSINESS INCUBATION CENTRES

ESA BUSINESS INCUBATION

Network of 11 Centres supporting space-related start-ups to get their business off the ground.

250 Number of start-ups supported to date

100 Yearly start-ups supported across Europe

- ✓ EBN Partnership
- ✓ 9 European Agencies
- ✓ 12 Research Institutes



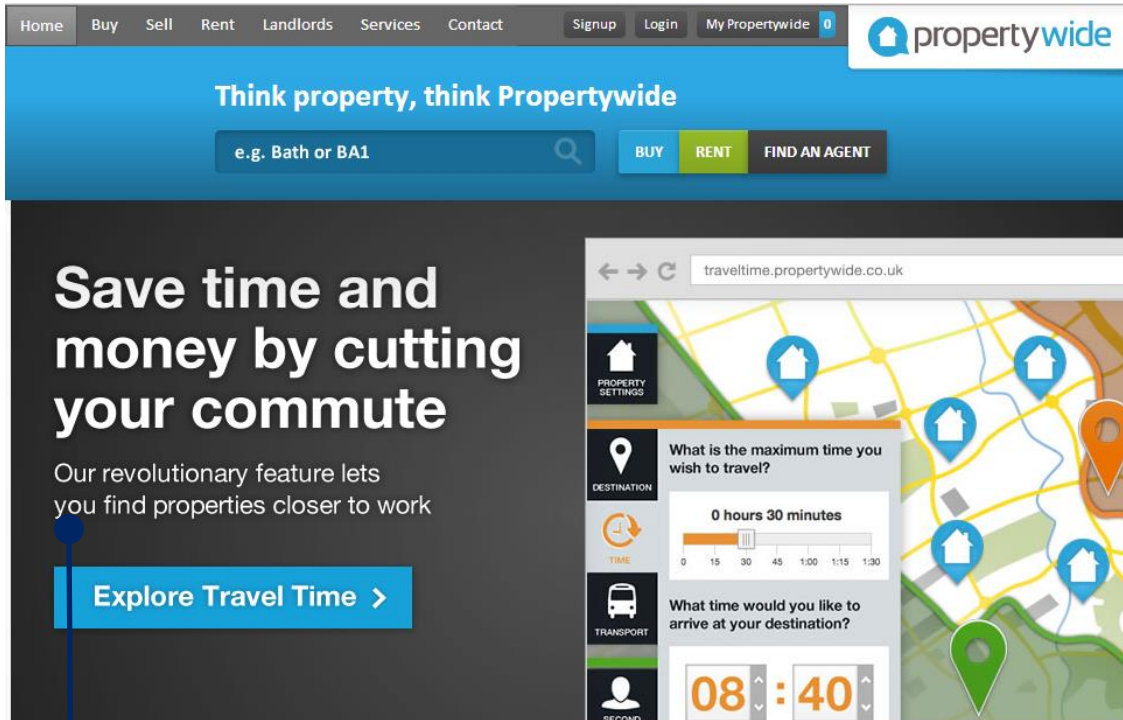
LEGEND

- ESA Business Incubation Centre



ESA BUSINESS INCUBATION

INVESTING IN OUR FUTURE



The screenshot shows the Propertywide website interface. At the top, there is a navigation menu with links for Home, Buy, Sell, Rent, Landlords, Services, Contact, Signup, Login, and My Propertywide. Below the navigation is a blue banner with the slogan "Think property, think Propertywide" and a search bar containing "e.g. Bath or BA1". To the right of the search bar are buttons for "BUY", "RENT", and "FIND AN AGENT". The main content area features a dark grey background with the text "Save time and money by cutting your commute" and "Our revolutionary feature lets you find properties closer to work". A blue button labeled "Explore Travel Time >" is positioned below this text. To the right, a smaller window displays a travel time calculator interface with a map, a "PROPERTY SETTINGS" section, a "DESTINATION" section with a question "What is the maximum time you wish to travel?" and a slider set to "0 hours 30 minutes", a "TRANSPORT" section with a question "What time would you like to arrive at your destination?" and a digital display showing "08 : 40", and a "SECOND" section.

1 out of 250 successful start-ups
INNOVATION THROUGH SPACE



iGEO L I S E
MINUTES MEAN MORE THAN MILES

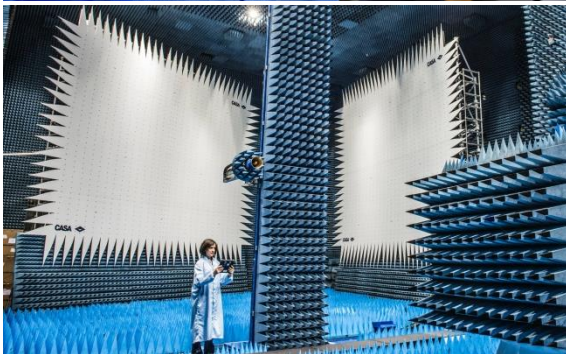
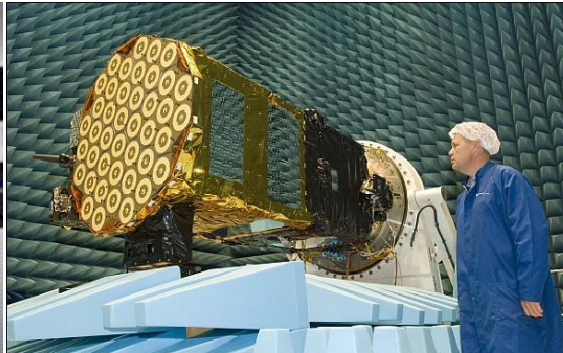
**SPACE IS
KNOWLEDGE**

ESA PATENT PORTFOLIO

EXPLOITATION OF ESA IP

FOCUS ON ESA'S PORTFOLIO OF PATENTS

- 150 inventions
- 450 patents



WHY PATENTS?



PROTECTION

Protect your idea and prevent others from blocking you



EXPLOITATION

Monopoly for use and offer licences to third parties

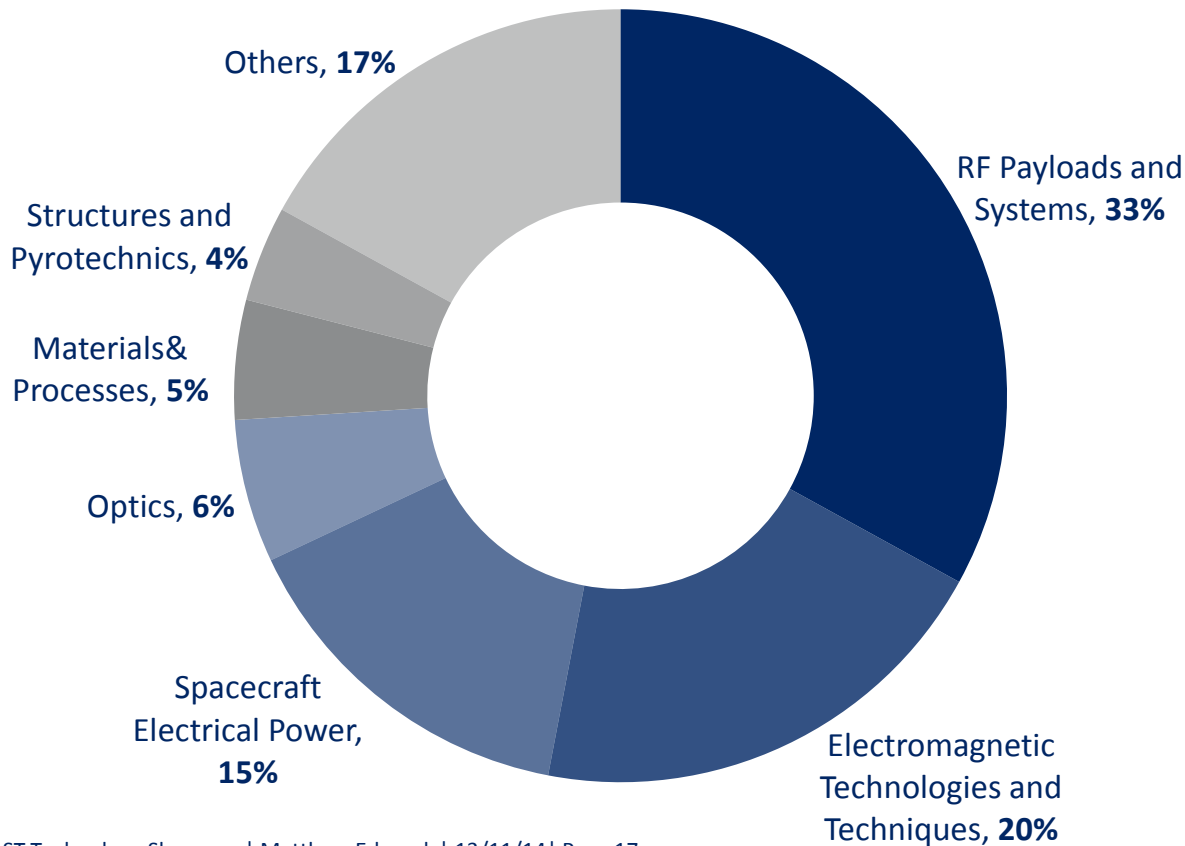


TRADING

Cross licence or use it as a trading mechanism

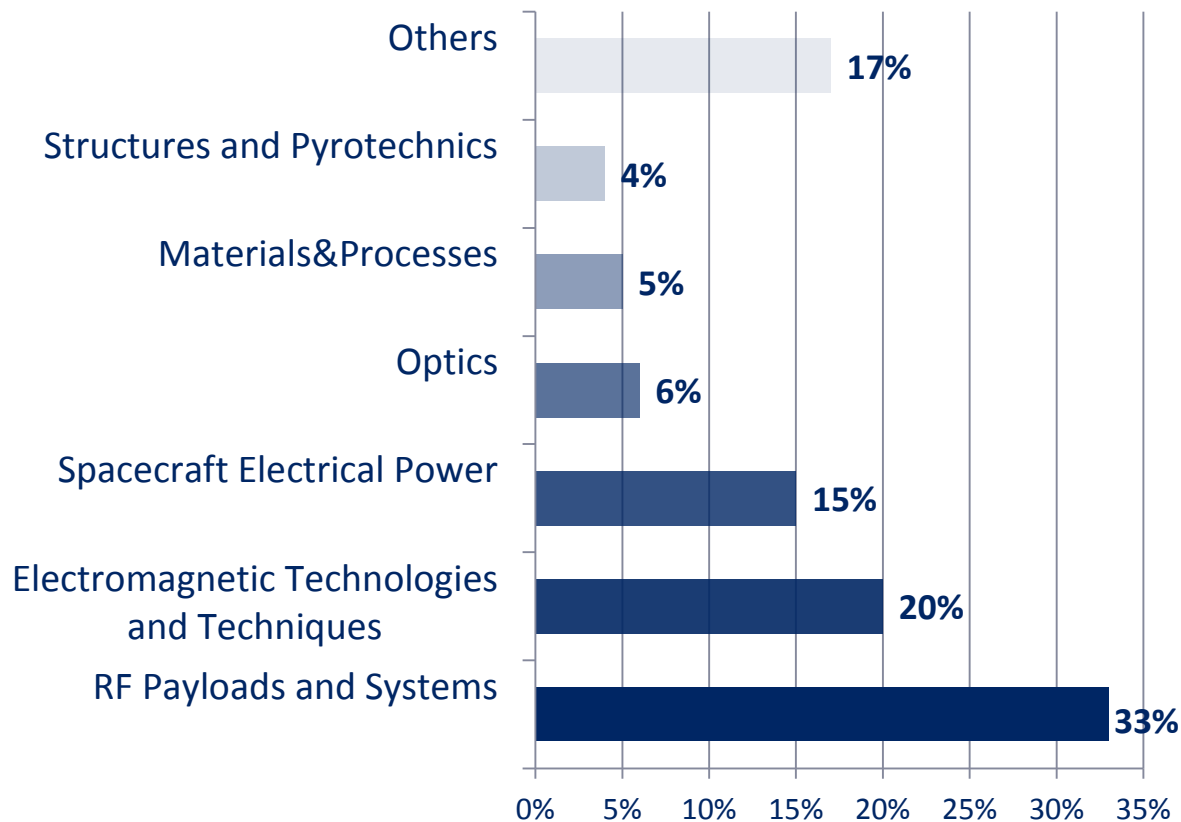
PATENTS BY SPACE TECHNICAL DOMAINS

PATENT CATEGORISATION



PATENTS BY SPACE TECHNICAL DOMAINS

PATENT CATEGORISATION



PATENTS BY APPLICATION SECTOR



25%

Information &
Communication
Technologies



5%

Materials & New
Production Technologies



20%

Aeronautics, Automotive,
Maritime and Transport



5%

Healthcare & Biotechnology



18%

Energy and Environment



4%

Industrial Production &
Robotics



12%

Security and Safety



3%

Civil Engineering



8%

Electronics

ESA SPACE SOLUTIONS



space solutions

Support the creation
of spin-out companies

Help find new markets
for space technology

Develop new business
opportunities

Provide access to
technical support and
expertise

Access to innovative
intellectual property

Identify relevant
funding opportunities

Develop the UK space
industry and deliver
the best RoI to citizens

Create and nurture a
collaborative network

THANK YOU FOR LISTENING.

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