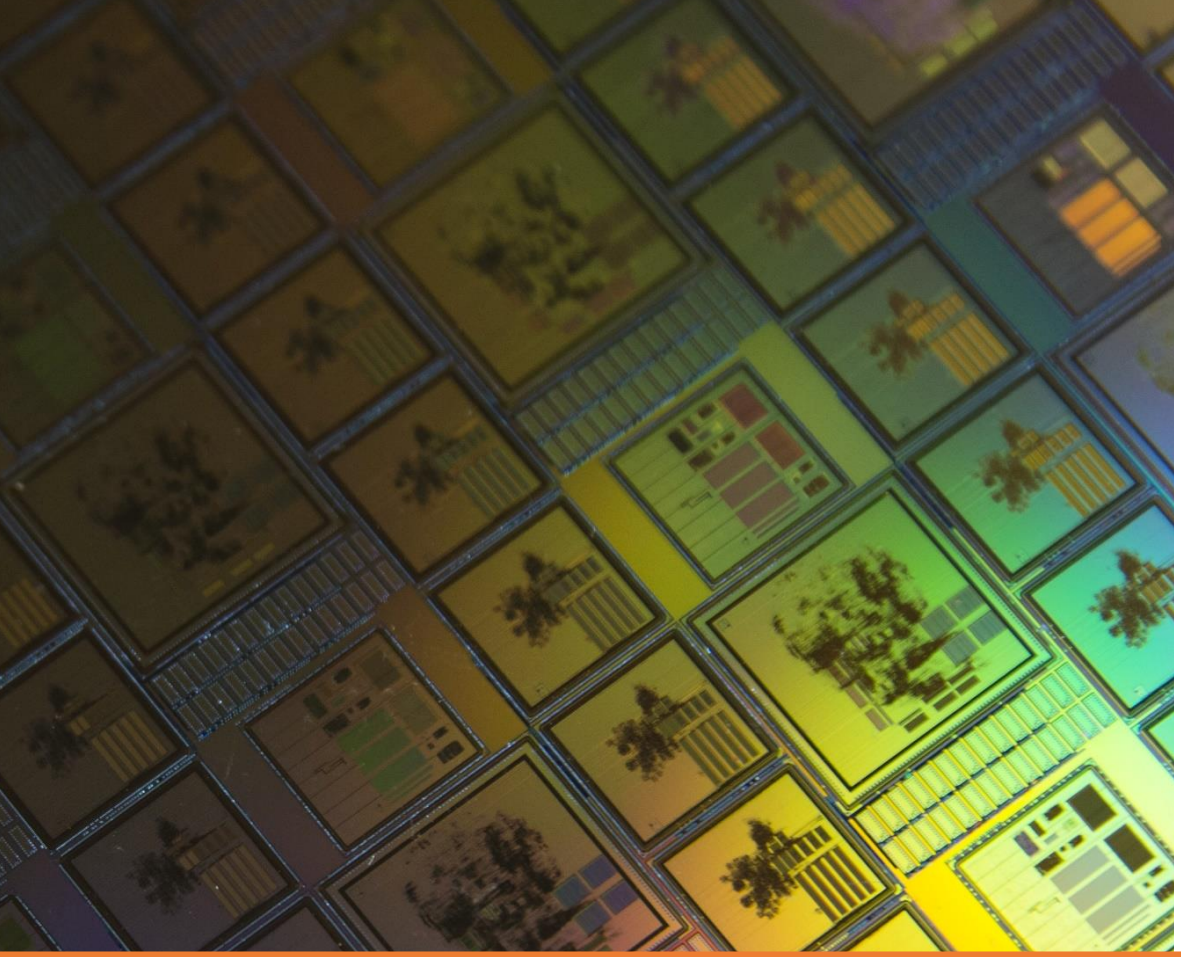


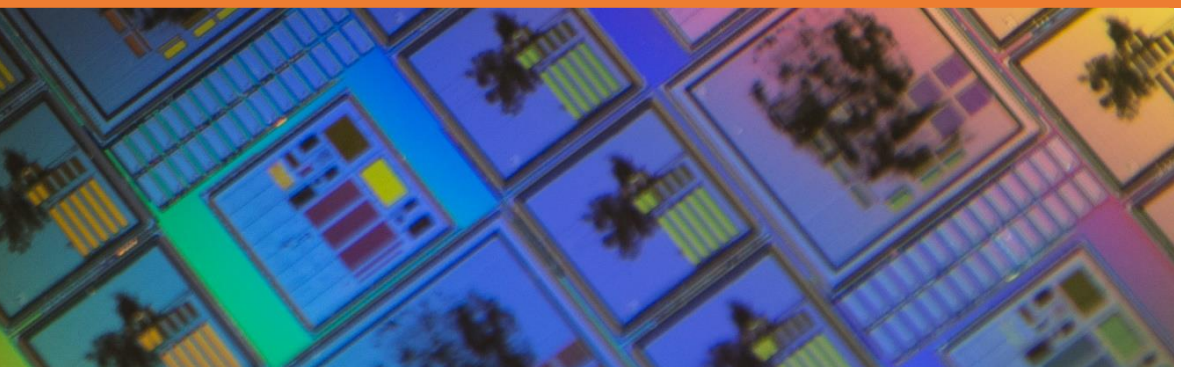
ESTEC Technical Infrastructure Evolution

Workshop

19 March 2019 | ESA/ESTEC, Noordwijk, The Netherlands

Directorate of Technology, Engineering and Quality - Infrastructure Management (TEC-PI)

tecCAB@esa.int



How do we build a common vision for future technical infrastructure?

The enthusiasm, flexibility and innovative capabilities of **small and medium-sized enterprises (SMEs), leading academia** and **mid-tier businesses** are of great value to Europe's space industry. One way ESA supports these growing arenas is with our excellent **facilities, laboratories and the test centre** at ESTEC.

From validating new **avionics** technologies and engineering **software** tools to **evaluating EEE components** and **materials** or testing how flight hardware reacts to the extreme vibrations and temperature shifts of space, we have over **40 laboratories** that can support you and your technology developments.

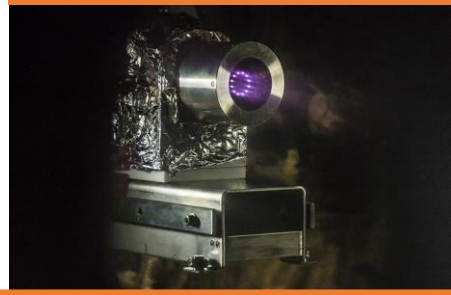
ESTEC invite customers from these areas, especially new or emerging players in the space community, to **a one-day workshop.**

1 day

3 parallel sessions

12 technical domains

Register:
https://atpi.eventsair.com/19m30--dtec-workshop-cab-follow-up/website



- What our laboratories and facilities are capable of
- Which services we will invest in for the future
- How SME's, academia and mid-tier businesses can use our laboratories and facilities

This follows previous customer advisory discussions with our established partners about technical infrastructure evolution.

Working together, we will develop **suggestions** and define **actions** to see how your business and ESA can work together to **shape a common vision** for the **future** in space technical infrastructure.

https://www.esa.int/Our_Activities/Space_Engineering_Technology/Laboratories

ESTEC Technical Infrastructure Evolution Workshop

19th March 2019 |Directorate of Technology, Engineering and Quality - Infrastructure Management (TEC-PI)

Time	Einstein room	Library meeting room	VC-Aj030
9h15-10h00	**Introduction and scope presentation**		
10h05-11h05	Test Centre and Engineering Services	Concurrent Design Facility	Advanced and Additive manufacturing
Coffee Break			
11h20-12h20	Vacuum Testing Facilities Associated and Applied Characterisation Techniques (Thermal, Power and Mechanical testing)	Avionic system control (including sensor), data handling and software simulation	Antenna, Microwave, Navigation facilities and Telecommunication Facilities
12h25-13h25			
Lunch break 13h25-14h25			
14h25-15h25	Automation and Robotics Facilities and Guidance Navigation Control	*OPTION for splinter session continuation*	Optics and Opto-Electronics Facilities, Optical Ground Station
15h30-16h00	Electromagnetic and Space Environment testing facilities and Components Facilities	Advanced Concept Studies	Life and Physical Science Facilities
16h00-16h30		Remote Sensing Facilities	Contamination and Cleanliness Control
Coffee Break			
16h45-17h45	**Wrap up, how to collaborate with ESA and conclusion**		