**This Word document is a reference to help you prepare your answers for the online form. Please do not submit this document. Contact** [**IOSMCapabilities@growbotics.space**](http://IOSMCapabilities@growbotics.space) **with any questions.**

# ISAM Capabilities Survey

## This survey seeks to understand the UK’s in-space servicing, assembly and manufacturing (ISAM) capabilities

It has been commissioned by the [UK Space Agency](https://www.gov.uk/government/organisations/uk-space-agency) as the primary source of evidence to support the UK Government’s understanding of ISAM.

It is being conducted by [Growbotics](https://www.growbotics.space/), and is open from 5th August to 23rd August 2024.

### This is your opportunity to influence the UK government

Your answers to this survey will directly feed into policy-making decisions at the UK Space Agency and the Department for Science, Innovation and Technology.

### It is open to all ISAM organisations

Any organisation engaged in ISAM activities is encouraged to respond. This includes companies working on orbital transport, re-supply, in-orbit manufacturing, active debris removal, salvage, refuelling, repair, and other activities.

### Do not provide confidential information

Your response may be included in publicly accessible reports and websites. Please do not provide any commercially sensitive or confidential information other than your personal details. Your personal details will not be shared publicly.

### All questions are optional

All questions are optional, and you can skip any that you do not wish to answer, but we’d appreciate as much information as you can provide.

### You can contact us at IOSMCapabilities@growbotics.space

If you have any questions about this survey, you can get in touch with us at IOSMCapabilities@growbotics.space.

## Information you will need to provide

This survey is going to ask about:

* Your current and recent ISAM activities, including technologies, partners, and funding
* Challenges and opportunities think the UK ISAM sector is facing

You might find it useful to have information about these topics to hand before you start. Your answers will be saved as you go, so you can pause and come back at any time.

## Privacy

This survey mostly asks questions about your organisation, as well as a few questions about you.

We need your consent to store and process your personal information.

Your answers are not anonymous, and we will be publishing reports based on the survey results that may contain information you have shared here. Your personal information will not be shared.

You can [read our full privacy policy for this survey here](https://spaceskills.org/isam-capabilities-survey-privacy), which explains how we store and process your data.

**Q1: Do you consent to us processing your survey responses for research purposes?**

* Yes – I consent
* No – I do not consent

## Your details

This section is about who you are. The details in this section will not be shared.

**Q2: What is your email address?**You won’t be added to any mailing lists.

**Q3: What is your name?**

**Q4: What is your job title?**

**Q5: Which organisation are you responding on behalf of?**

## Projects and products

This section is about the projects and products your company has been involved in.

### What ISAM-related projects has your company recently been involved in?

For each ISAM project/product that you’ve worked on in the last 12 months, please provide the following information:

1. **Name**
2. **Description** – a brief summary of the project and its objectives, how it is furthering UK ISAM capabilities, and which markets you’re targeting
3. **Technologies** – the core technologies and TRL levels
4. **Applications** – the ISAM applications related to the project/product
5. **Partners** – the organisations you have worked with
6. **Funding sources and amounts** – the sources of funding for the project and the amounts received
7. **Status** – whether the project is completed, ongoing, planned, cancelled etc.

| **Name** | **Description** | **Technologies** | **Applications** | **Partners** | **Funding sources and amounts** | **Status** |
| --- | --- | --- | --- | --- | --- | --- |
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**Q6: How many FTE people are working on ISAM projects in your company?**An estimate is fine

**Q7: Do you have any critical supply chain dependencies outside the UK?**

## Challenges and opportunities for the UK

This section is about the challenge and opportunities for the UK ISAM sector as a whole, not just your company.

**Q8: What are the main challenges the sector faces in developing ISAM capabilities?**For example, technical, financial, regulatory, skills, market access

**Q9: What government policies, support, or regulatory changes would be beneficial to UK ISAM activities?**

**Q10: What do you think the UK should focus on in ISAM?**Select and order at least 3 items. For [more details on these categories see here](https://growbotics.space/isamfocusareas).

* Relative navigation and guidance (e.g. on-board software & autonomy, algorithms, sensors)
* Attitude and orbit control (e.g. actuators, hardware)
* Docking (cooperative, prepared and unprepared)
* Capture (usually unprepared, cooperative and uncooperative)
* ISAM test facilities
* Robotic manipulation
* Fuel storage and transfer (e.g. for refuelling)
* Microgravity manufacturing
* Next generation infrastructure (e.g. large scale assembly, frequent inter-orbit transport, in-orbit utilities)
* Servicing enabled satellite platforms and subsystems (e.g. client side including interoperability considerations and interfaces)

**Q11: Is there anything else you’d like to add about what the UK should focus on?**

**Q12: Are there ISAM areas better developed through partnership with an international organisation like ESA than only within the UK?**

**Q13: How optimistic do you feel about the future of the UK ISAM sector?**

* Very pessimistic
* Pessimistic
* Neutral
* Optimistic
* Very optimistic

## Additional feedback

**Q14: Is there anything else you’d like to share with us?**

**Q15: We will be conducting some structured interviews to better understand some of the nuance that this survey does not capture. Would you be open to being interviewed in the next few weeks?**

* Yes – I’m open to being interviewed
* No – I would not like to be interviewed