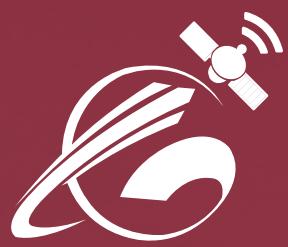


MASS
African Space Solutions Market



MASS

African Space Solutions Market



Parc des
Expositions
d'Abidjan

From 6th to 8th May 2025
Abidjan - Côte d'Ivoire



01. CONTEXT

Africa Facing Contemporary Challenges

Africa is a continent with a population of 1.3 billion people and a land area of 30 million square kilometres. According to the United Nations, it holds approximately 30% of the world's mineral reserves, 8% of natural gas reserves, and 12% of oil reserves. Africa accounts for 61% of the planet's arable land and 10% of its renewable freshwater resources. Despite these vast resources, the continent faces numerous challenges, including food insecurity, the effects of climate change such as flooding, pandemics, terrorism, and armed conflicts.

Conventional methods for addressing these challenges are often limited due to their high costs and lengthy implementation times. Space-based solutions, including infrastructure and derivative products (goods and services addressing diverse applications from land to sea and coastal zones), provide unmatched advantages in terms of efficiency, scalability, and time savings. These solutions are no longer optional for Africa's socio-economic development, they are essential.

OTIF Africa Space presents the only marketplace for space solutions in Africa, titled the "African Market for Space Solutions" (MASS), which will take place in Abidjan, Côte d'Ivoire, from **6th to 8th May 2025, at the Exhibition Park**. MASS is a unique and innovative platform that connects solution providers with organisations and governments seeking practical solutions. Stakeholders from various sectors—including public and private entities, international organisations, NGOs, civil society, academia, and space service providers—are invited to participate in this edition of MASS to foster collaboration and deliver impactful outcomes for African states.

<https://www.greenpeace.org/africa/>
<https://www.greenpeace.org/africa/fr/les-blogs/55955/un-continent-submerge-la-crise-des-inondations-en-afrique/>



Africa Facing Contemporary Challenges

African nations are increasingly investing in space activities, making the continent an emerging and significant space market. According to Space in Africa, in 2023, African countries collectively invested \$425 million in space-related activities, with 15 countries allocating over \$4.71 billion to 58 satellite projects.

The African space economy is projected to grow by 16.16%, reaching a value of \$22.64 billion by 2026. Populations across the continent are also enthusiastic consumers of space-based services.

Today, 60% of Africa's population consists of young people, representing a vast potential for the continent. This demographic offers significant opportunities for the creation of highly skilled jobs, benefiting not only Africa but also the global space community, including both public and private sectors.

With its expansive 30 million square kilometres of land and 38,000 kilometres of coastline, Africa presents a unique market. It spans opportunities such as the sustainable exploitation of natural resources, climate change mitigation and adaptation, and disaster risk reduction—including floods, droughts, coastal erosion, and deforestation. These efforts aim to enhance agricultural productivity, ensure responsible and sustainable management of terrestrial and marine resources, and strengthen the security of people, infrastructure, and assets, particularly through peacekeeping activities and counter-terrorism initiatives.

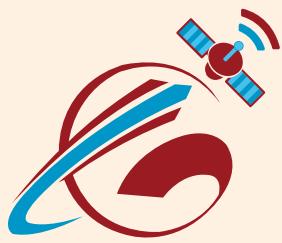


02. JUSTIFICATION

Traditional approaches to addressing Africa's challenges, while demonstrating some degree of effectiveness, are often constrained by high costs and lengthy implementation times.

Space-based solutions provide an innovative and indispensable alternative for tackling these challenges. Technologies such as Earth observation, navigation and positioning systems, and satellite communications offer superior precision, accuracy, and speed in addressing Africa's most pressing issues.

The African Market for Space Solutions (MASS), as the first African marketplace dedicated to space-based solutions, seeks to raise awareness and catalyse the adoption of these technologies across the continent. By bringing together providers of space solutions and entities seeking practical and effective interventions, MASS creates a unique platform for collaboration and innovation. This event enables African nations to explore the diverse applications of space technologies in solving urgent and concrete problems.



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03. OBJECTIVES



General Objectives

The African Market for Space Solutions (MASS) encompasses the four key segments of the space industry: Earth observation, astronomy and scientific experiments, navigation and positioning, and satellite communications. The infrastructure, downstream products, and services of these segments will generate high-value applications that enhance the daily lives of Africans.

The primary objective is to create and seize commercial opportunities through space-based solutions to accelerate Africa's sustainable socio-economic development.



Specific Objectives

MASS is the only African marketplace dedicated to promoting space-based solutions as a means to support and expedite the continent's development. MASS 2025 aims to present practical and concrete solutions to the challenges and issues faced in various critical areas of sustainable development across the African continent.

The specific objectives are as follows:



Identifying Needs :

- Understand the specific needs, challenges, and problems faced by African countries and institutions.
- Identify the expectations and requirements of end-users.
- Analyse the African commercial space ecosystem, including its market dynamics and opportunities.



Fostering Networking :

- Connect providers of space solutions (products and services) with end-users.
- Establish a unique platform where providers of space products and services can synergise, pool resources, and collaborate for more effective and efficient commercial activities in Africa.



Raising Awareness of Space Solutions :

- Democratise and promote space-based solutions through their products and services.
- Enable space industry players to showcase their services and products to a broader audience, increasing opportunities for business or collaboration.



Creating a Space Solutions Marketplace :

- Develop a digital and physical platform for public and private enterprises to present their space products and services.
- Facilitate socio-economic actors and African stakeholders in finding practical, space-adapted solutions to their challenges.

Finally, MASS aims to serve as a showcase for proven solutions, demonstrating the practical and tangible benefits of space technologies. Over the years, we aspire to address all areas of the 17 United Nations Sustainable Development Goals and become a hub of solutions to accelerate growth in African countries.



04. EXPECTED OUTCOMES

The implementation of the African Market for Space Solutions (MASS) 2025 is expected to yield significant and multifaceted results, contributing to the sustainable transformation of Africa's socio-economic landscape. These outcomes are anticipated to deliver both direct benefits and long-term impacts across the continent.

1. Awareness and Adoption of Space Solutions

Enhanced Awareness : MASS aims to educate decision-makers, businesses, and the general public about the benefits of space technologies. By showcasing concrete demonstrations, the event will strengthen understanding of space applications and encourage their adoption by a broader range of socio-economic actors.

2. Strengthened Collaborations and Partnerships

Creation of Professional Networks, Synergies, and Collaborations : MASS will connect providers of space solutions with end-users, fostering a dynamic ecosystem of collaboration.

Through B2B meetings and networking events, participants will have opportunities to establish strategic partnerships. By bringing together stakeholders from the space sector, MASS will promote synergies and collaborations, supporting the development of joint projects and the pooling of resources.



3. Economic Development and Job Creation

- **Boosting the Space Economy :** The event will contribute to the growth of the space economy by providing investment opportunities and fostering the establishment of new enterprises in this sector.
- **Job Creation :** Promoting space technologies and developing new projects will lead to the creation of skilled jobs, thereby reducing unemployment and strengthening the human capital of the continent.

4. Enhancement of Technical and Scientific Capacities

- **Skills Development :** Through training sessions, practical workshops, and demonstrations, MASS will enhance the technical and scientific competencies of participants. Professionals in the sector will benefit from critical knowledge transfer, driving innovation and development
- **Promotion of Research and Innovation :** MASS will encourage applied research and innovation in space technologies by showcasing pioneering research projects and facilitating their funding and implementation



5. Positive Environmental and Social Impact

- **Solutions to Environmental Challenges :** By showcasing technologies capable of monitoring and managing natural resources, preventing disasters, and mitigating the impacts of climate change, MASS will contribute to environmental preservation and sustainable resource management.
- **Improved Quality of Life :** Space-based solutions applied to sectors such as agriculture, water management, and urban infrastructure will enhance the quality of life for African populations by providing effective solutions to daily challenges.
- **Youth Employability Enhancement :** By supporting spatial and geospatial initiatives, MASS creates new training and employment opportunities for young people.



6. Strengthening Africa's Image and Reputation in the Space Sector

- **Strategic Positioning :** MASS will position Africa as a key and innovative player in the global space sector. Increased visibility and active participation in global discussions will bolster the continent's image as a hub of innovation and solutions.
- **Attracting International Investment :** By highlighting the potential of space technologies in Africa, MASS will attract international investments, supporting the continent's economic and technological development.



05. THEME OF THIS EDITION



The theme of MASS 2025 is :

"Space Solutions for Africa's Socio-Economic Development"

06. PARTICIPANTS

A photograph showing a person from the side, looking down at a smartphone they are holding in their hands. The screen of the phone displays a graphic of a drone with a camera mounted underneath it, suggesting a remote sensing or monitoring application. The background is blurred, showing other people and what might be a trade show or exhibition hall.

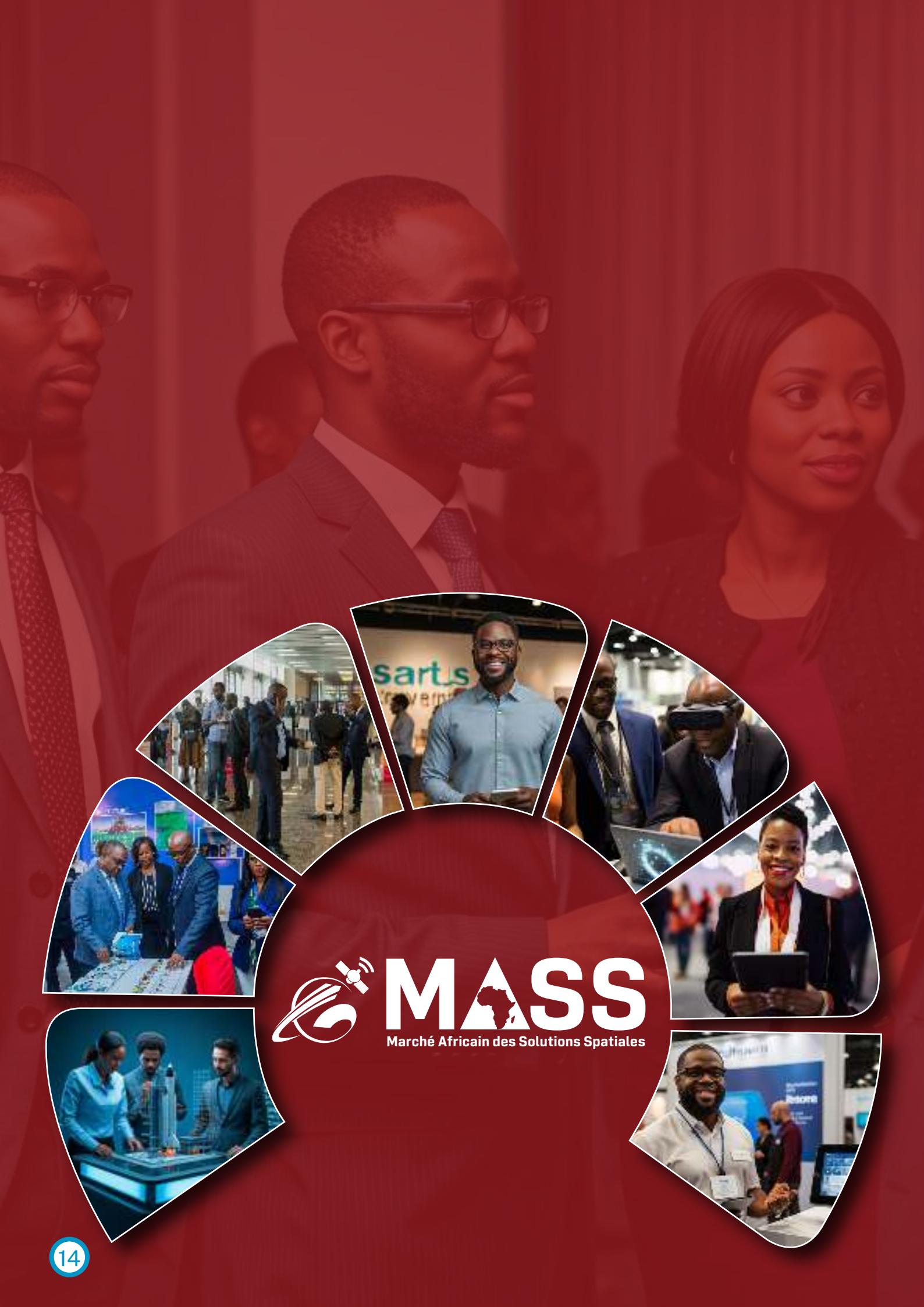
MASS event days are open to experts and all individuals interested in space solutions for sustainable development. The expected attendees include:

- *Government institutions and representatives*
- *National space agencies and institutions*
- *Development institutions*
- *Private companies*
- *International, regional, and local institutions and authorities*
- *Researchers and scientists*
- *Decision-makers*
- *Non-Governmental Organizations (NGOs)*
- *Students*

Secondary Target Audience

The general public

Approximately 30,000 participants are expected to attend this event. MASS 2025 will feature a series of solution demonstrations, technical panels, B2B meetings, personalised appointments, and networking events tailored to the diverse participants. MASS will provide businesses and organisations with opportunities to market their products and services.



07. ORGANIZER



The event is organized by OTIF Africa Space in partnership with the African Space Agency, along with several other partners to be announced soon.

OTIF Africa Space is a key player in the space and geospatial domain in Africa, committed to propelling the continent toward a technologically advanced and economically prosperous future. As a catalyst, OTIF Africa Space harmonises disparities among African nations and promotes space development across the continent.

OTIF Africa Space offers a comprehensive range of services to support African businesses and institutions in their space and geospatial initiatives, including:

Advisory Services : Space policy and strategy.

Monitoring and evaluation: Quality assurance

Monitoring and Evaluation : Securing funding .

Engineering: : Space design and engineering.

Management : Programme and project management in the space sector.

Networking : Establishing strategic connections.

Training : Skill development.

Business Development :
Personalised support.

Advocacy : Representation of interests.

For more information :

<https://otif-africa-space.com/>

Contacts :

Phone : +33678558545

Email : irie.fabrice@otif-africa-space.com



08. EVENT HIGHLIGHTS

- ✓ Press conference to launch the event
 - ✓ Opening ceremony
 - ✓ Exhibitions
- ✓ Live demonstrations
 - ✓ Gala dinner
 - ✓ Showcases
 - ✓ B2B meetings
- ✓ Closing ceremony



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09. PROGRAMME CONTENT

The activity programme for the African Market for Space Solutions (MASS) 2025 is designed to provide participants with a rich and diverse experience, combining technical sessions, networking opportunities, and events focused on recognition and awareness-raising:

EXHIBITIONS AND DEMONSTRATIONS

- ✓ ***Exhibitions*** : MASS 2025 will provide a prestigious platform for companies, institutions, and startups in the space sector to showcase their latest innovations and solutions.
- ✓ ***Demonstrations*** : Practical presentations and live demonstrations of innovative space solutions will enable participants to see the technologies in action and understand their practical applications.



B2B MEETINGS AND PERSONALISED APPOINTMENTS

- ✓ ***B2B Meeting Sessions*** : Facilitating connections between businesses, investors, and other stakeholders to explore partnership and collaboration opportunities.
- ✓ ***Receptions and Cocktails*** : Evening receptions and cocktail events will offer participants informal networking opportunities.

Awards Ceremony and Hackathon

- ✓ ***Recognition of Outstanding Achievements*** : A ceremony to honour individuals and initiatives that have significantly contributed to the development and advancement of the space sector in Africa.



SOCIAL EVENT TO PROMOTE SPACE SCIENCES AMONG YOUTH

- ✓ **Educational Workshops** : Interactive workshops designed for young people to raise awareness of space sciences and inspire them to pursue careers in the field. These workshops will include hands-on activities, demonstrations, and discussions with experts.
- ✓ **Mentorship Sessions** : Opportunities for young participants to meet with professionals from the space sector, providing career guidance, experience sharing, and encouragement to spark their aspirations..
- ✓ **Fun and Educational Activities** : Games, competitions, and other engaging activities to make learning about space sciences attractive and enjoyable for youth. These activities aim to awaken curiosity and foster interest in space technologies.
- ✓ **Tourist Activities** : Cultural and sightseeing excursions.



10. FUNDING

Event is funded by OTIF Africa Space, the African Space Agency and resources from partners



Visit our website :

www.mass.ci

Email address

contact@mass.ci

Organisers' Contact Numbers :

+225 07 07 34 79 04
+225 07 07 15 39 01
+225 05 55 50 50 16
+336 78 55 85 45
+336 45 06 05 03

