

FOR PEOPLE,  
PLANET AND  
PROSPERITY



OS Lunar Mission

# PARTNERSHIP PROSPECTUS



الفضاء المداري  
ORBITAL SPACE

ORBITAL SPACE  
Hamdan Innovation Incubator (Hi2)  
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ORBITAL SPACE LUNAR PROGRAM  
Explore | Discover | Inspire



# OS Lunar Mission

#discoverspacetogether





## Welcome Note

It is with immense excitement that I introduce you to our ambitious Lunar program. With a focus on students and youth, we collaborate with academic, research, and space technology partners both public and private to make space accessible to everyone.

Our Lunar Program is a testament to this vision, and your potential contribution as a valued partner in this not-for-profit initiative could play a pivotal role in making the Moon much closer to the youth on Earth.

The OS Lunar mission is an important part of our broader Orbital Space Lunar Program, which aims to push the boundaries of the UAE's presence in space.

This mission is about more than just reaching the moon. It is a symbol of our potential, the creativity of our people, and our aspirations in the field of space exploration and technology development.

Through our latest initiative "Experiment on the Moon" - a global competition that gave students from all countries the opportunity to engage in a lunar mission - and our corresponding engagement and outreach activities, we aim not only to send an experiment by students to the Moon

but also to inspire our nation and the world. We believe in fostering a sense of wonder and curiosity in the hearts of young minds and encourage them to dream beyond the horizon. Our goal is to inspire, educate, and involve the community in our journey, paving the way for future scientists, engineers, and innovators in the UAE, the region, and around the world.

Involvement in this mission is a one-of-a-kind opportunity to be part of a historic endeavor that is expected to receive significant media attention and have a lasting impact for many years to come. By partnering with us, you will be contributing to a momentous milestone in the UAE's space exploration history, driving STEAM education, and inspiring the next generation of professionals.

I warmly invite you to consider the opportunity to join us as a partner on our ambitious educational journey to the Moon.



Dr. Bassam Alfeeli  
GM, Orbital Space

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الفضاء المداري  
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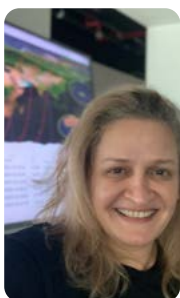
# About Us

Established in 2018, Orbital Space is a leading private aerospace company based in the United Arab Emirates, dedicated to enabling access to space through educational space missions. The Lunar Program is a big leap in our educational initiatives, which aims to unlock the potentials of student learning that integrates science, technology, engineering, the arts, and math (STEAM) as pathways to guide student inquiry, discussions, and critical thinking.

As a startup company with very limited resources, we succeeded previously in creating unique opportunities for students to engage with STEAM activities to learn more about the sciences and technologies that are enabling space exploration and the development of space technologies that are improving the quality of life on Earth.

In 2015 and with learn-by-doing approach, we facilitated opportunities for students to learn about astronaut training, rocket design, and space launch simulation through our STARS summer camp initiative. Our next initiative "Experiment in Space" was to facilitate the opportunity for students to design and develop their own science payload and send it to space. In 2020, an educational science payload developed by an international team of high school students based in Kuwait was launched on a SpaceX Falcon 9 rocket to the International Space Station where a NASA astronaut conducted the experiment on behalf of the students on Earth. In the following year we introduce another education initiative "Code in Space" which was intended to give students from around the world the opportunity to command and control a very small satellite (nano satellite) orbiting around earth through developing their own software code and upload it to the satellite via an open access educational satellite ground station in Digital Park, Dubai Silicon Oasis.

As champions of space education, we foster a community of space enthusiasts and professionals to share knowledge, expertise, and passion. We are committed to expanding the boundaries of space exploration and empowering the next generation of space pioneers.



"We're not just exploring the Moon; we're pioneering for humanity's future. Together, let's inspire a generation, ignite curiosity, and push the boundaries of what we believe to be possible."

- Nada AlShammari, Partner & Chief Inspiration Officer, Orbital Space

Through our network of academic, research, and space technology partners both public and private, we provide students and young professionals unique opportunities to access space in the UAE, the Arab Gulf Countries, and Worldwide.



# Space Pioneering

Charting a new course to the moon: making space accessible.

Our "Experiment on the Moon" competition was unveiled at EXPO2020, generated worldwide interest. It was not a groundbreaking moment for Orbital Space and a testament to our commitment to engage and empower students and impact the space sector on a Global scale.

The groundbreaking competition got the attention of over 67,000 viewers and has brought together the brightest minds from around the world attracting 489 teams.. Orbital Space is supporting the next generation of innovators and inspiring them to dream big and contribute to the exciting frontier of space exploration



2022 Partner In Excellence Award: Orbital Space Awarded by HE Sara AlAmiri - UAE Minister of State for Public Education and Advanced Technology and Chairwoman of the UAE Space Agency.

LUNA 9 - 1966  
The first spacecraft to achieve a soft landing on the Moon.



Apollo 11 - 1969  
First humans land on the Moon.



Lunokhod 1 - 1970  
First successful robotic Lunar rover.



Chang'e 4 & Yutu 2 - 2019  
First landing on the farside of the Moon.



## Milestones In Lunar Exploration

# The Moon

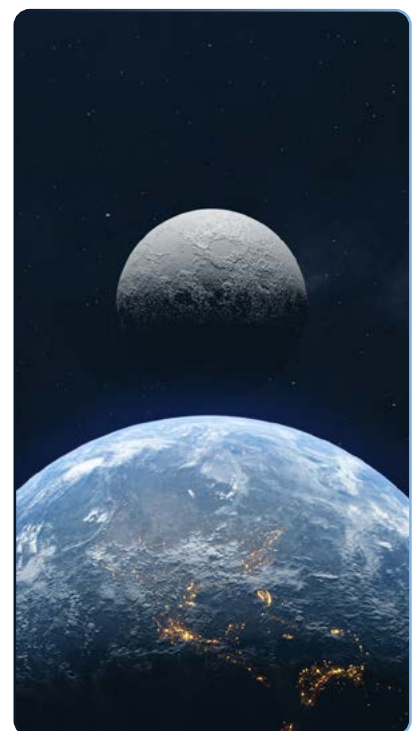
Recent years have witnessed a surge of lunar exploration, driven not just by the ambition of world-leading space agencies but also by a host of dynamic private companies.

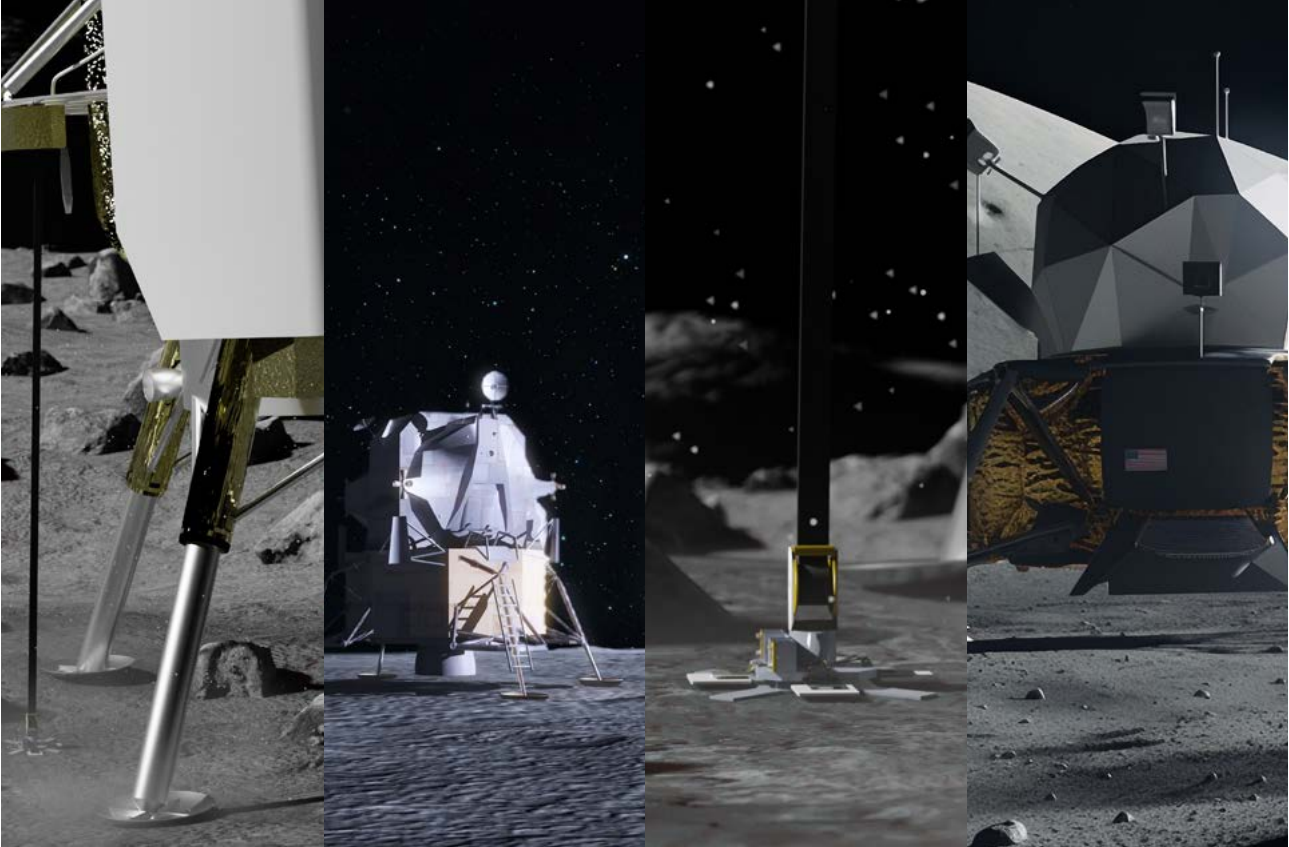
This Moon has re-emerged as a significant focal point for scientific exploration as well as technological innovation and international cooperation. Partnering with the OS Lunar mission is a strategic investment in the future.

The Moon, our closest celestial neighbor, serves as an accessible testbed for new technologies, a potential source of invaluable resources, and a stepping stone for missions deeper into the solar system. Supporting the OS Lunar Mission signifies a commitment to pushing the boundaries of

human knowledge, fueling scientific breakthroughs, and igniting inspiration in generations to come. It is an opportunity to position oneself at the forefront of this renewed lunar age, contributing to a mission that harnesses the promise of space for the benefit of all humanity.

By partnering with us, you are not just supporting a single mission; you're contributing to a broader narrative of exploration, discovery, and progress. It's an investment in our shared future - a future that is increasingly looking towards the stars.





# Lunar Program

The Orbital Space Lunar Program is a pioneering initiative aimed at advancing lunar research through immersive learning opportunities for students.

The goal of the lunar program is to encourage and empower students to develop, design and conduct scientific experiments or technology tests to be carried to the surface of the Moon. The objectives of the program include:

- Challenge students from around the world through a global competition to propose scientific experiments or technology tests for a lunar mission.

- Enable and support a student team to design, build, deliver, and operate their own lunar payload.

- Increase public awareness about the efforts to establish sustainable human presence on the Moon.

As a mission partner, your organization will be closely associated with this pioneering initiative, playing an instrumental role in nurturing the next generation of space scientists and boosting public awareness about establishing sustainable human presence on the moon.



'Experiment on the Moon' was an announcement at the EXPO2020 in the UAE

## Key Benefits of the Orbital Space Lunar Program

- Pioneering Lunar Research
- Empowering Students
- Engaging the Public
- Collaboration Opportunities
- Contributing to Global Space Initiatives





# Getting to the Moon

The first private Lunar mission from the Arab world.

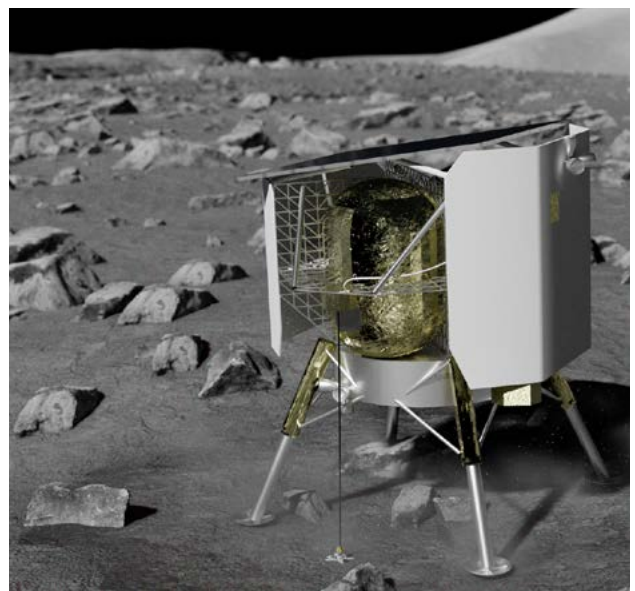
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The OS Lunar Mission will hitch a ride to the Moon aboard a commercial lunar lander, a cutting-edge platform developed by one of the world's leading private lunar logistics providers. The lunar lander, with the Lunar payload on-board, will be launched into space aboard a rocket. The journey from Earth to the Moon can be days to months. After breaking free from Earth's gravity, the lander will cruise through space before adjusting its trajectory for lunar orbit insertion.

Once in orbit around the Moon, the lunar lander will begin a controlled descent towards the lunar surface. This is the most critical phase of the mission, requiring precise navigation and timing.

The lander will gently touch down on the Moon, deploying Lunar to begin its historic mission. The lunar lander provides an ideal platform for the OS

Lunar mission, offering safe passage to the Moon and enabling the mission to carry out its scientific and educational objectives on the lunar surface.





# OS Lunar Mission

The first private Lunar mission from the Arab world.

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The OS Lunar mission is an initiative that pushes the boundaries of lunar research while also fostering a culture of curiosity, exploration, and innovation. By engaging and empowering students to develop, design, and conduct scientific experiments, we are nurturing the future leaders of space science. Through our extensive outreach and public awareness programs, we are ensuring a wider understanding and appreciation of Lunar exploration efforts.

The OS Lunar mission's milestones include designing and building the lunar payload, testing regolith interaction and data collection and analyses for future development of lunar exploration technology. Each milestone is a significant step towards achieving our mission's objectives, contributing to the broader aim of human habitation on the moon.



## The Science

"The Lunar payload is set to help us figure out what materials are best suited for lunar living and exploration"

- Filip Wylęgała, Orbital Space (Mission Payload Team Leader)



“ Our goal with the Lunar payload is to not only broaden the frontiers of space science but also to inspire a new generation of thinkers, explorers, and innovators.

- Sandra Lichoń, Orbital Space (Mission Media Manager)

# Engagement and Outreach

## Engaging Minds, Inspiring Innovators

With the OS Lunar Mission, we're focusing on empowering students through interactive space science education. Our outreach activities, including "Journey to the Moon" educational program, and the "Space Innovators" webinar series, are designed to inspire and engage students and the public alike. We aim to increase public awareness about efforts to establish sustainable human presence on the Moon, through outreach initiatives, public events.

### Public Engagement

- Design the Mission Patch Competitions
- Send your message to the moon initiative
- Meet ups and events
- Launch, landing activities
- Interactive Media Platform

### Education and Information

- Space Week
- Space Innovators Series
- Lunar Exploration Boot-camp
- Journey to the Moon School Program
- "Ask Me Anything" (AMA) Sessions
- Virtual and In-person workshops





Building the Future of Space Exploration with our Esteemed Partners

# Partners

Stronger Together



وكالة الإمارات للفضاء  
UAE SPACE AGENCY



مركز محمد بن راشد  
للفضاء  
MOHAMMED BIN RASHID SPACE CENTRE

ASTROBOTIC



Dtec  
مركز دبي التكنولوجي لريادة الأعمال  
Dubai technology entrepreneur campus

تقنيات الاتصالات الفضائية  
Space Communication Technologies  
COMMITMENT TO EXCELLENCE

tsti

NSSA  
الهيئة الوطنية لتعليم الفضاء  
National Space Science Agency

جامعة خليفة  
Khalifa University

Nanoracks

# Partnership Opportunities



Join the OS Lunar Mission as a partner.

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The first private Lunar mission from the Arab World, historic opportunity to shape the future of space exploration.

There are varied opportunities available, including naming rights to the mission, naming rights to the payload, exclusive access to mission updates and events, and unique mission engagement initiatives.

- Mission Partner - This is an opportunity for partners to associate with the overarching mission.
- Educational Program Partner - Support our educational programs to inspire and engage students with space exploration and science and creative thinking.
- Event Partner- We will host a range of events, including the Mission Launch,
- Technology Partner- Provide technology or technical expertise to help the mission achieve its goals. This can include software, hardware, or logistical support. Landing Activities, and Celebration Events.
- Media Partner- We are seeking media outlets to help us share the story of the OS Lunar Mission, reaching audiences worldwide.
- Merchandising Partner- Help us build brand visibility and audience engagement through the creation and distribution of OS Lunar Mission-branded merchandise.
- Mission Team Support Partner

Be a part of  
the Lunar  
exploration  
Legacy

Empower  
the Next  
Generation  
of Space  
Explorers

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# Team

## Knowledge, Passion, and Community

A dedicated and multidisciplinary group of experts specializing in space exploration, committed to advancing scientific knowledge and technological capabilities through meticulous planning, execution, and public engagement for our ambitious lunar missions.

Bassam Alfeeli



Director OS Lunar Program

Nada AlShammari



Director Mission Outreach

Filip Wylęgała



Payload Team Leader

Wojciech Piórkowski



Payload Design Manager

Bashayer AlMajid



Legal Advisor

Piotr Wojtasiński



Payload Project Manager

Sandra Lichoń



Payload Media Manager

Jan Kostecki



Lead IT

Filip Tomczyk



Embedded Systems

Jowita Cyndrowska



Materials Engineer

Julia Piekarska



Public Relations

Krzysztof Gierdziewicz



Payload Designer

Krzysztof Garbicz



Lead Electronics engineer

Mateusz Świątek



IT



# **EMPOWERING THE NEXT GENERATION OF SPACE INNOVATORS**

Explore | Discover | Inspire

# Mission Partner

PIONEER

## AED 750,000

SEVEN HUNDRED AND FIFTY THOUSAND DIRHAMS

As a lunar pioneer, you will have exclusive association with the pioneering spirit and cutting-edge exploration embodied by the OS Lunar Mission - the first private Lunar mission from the Arab world.

### 1/. Naming rights to the mission

This unique opportunity allows you to name the mission after your brand. This gives your brand a permanent legacy associated with space exploration.

### 2/. Exclusive Mission Briefings

Receive first-hand information and updates from mission control, keeping you in the loop every step of the way.

### 3/. Mission Design

Actively contribute in shaping the mission by participating in the payload design process.

### 4/. Brand Visibility

Your logo and name will be prominently displayed across all of our digital platforms, printed materials, and public events. The mission will be branded with your brand and have a permanent presence on the Moon.

### 5/. Prominent Speaking Opportunities

Showcase your brand's leadership and commitment to space exploration by speaking at our mission-related events.

### 6/. Employee Engagement

Boost employee morale and involvement through a variety of unique and engaging activities centered around the mission.

### 7/. Experiential Marketing

Unique opportunities to engage with our audience and network through in-person and virtual events, installations, and promotions.

### 8/. Complete Merchandising Rights

You'll have the exclusive right to produce and distribute merchandise featuring the mission and your brand. This could include apparel, accessories, collectibles, and more. Merchandise sales can provide an additional revenue stream and increase brand visibility.



# Mission Partner

VANGUARD

**AED 100,000**

ONE HUNDRED THOUSAND DIRHAMS

As a Lunar Mission Vanguard, your organization will be at the forefront of this ambitious project. Enjoy visibility across key platforms and selected events, with participation in mission briefings and opportunities for product placement. Engage your employees in the excitement of space exploration, with experiential marketing opportunities and selective merchandising rights to further boost your brand's association with this pioneering venture.

## 1/. Naming

### Association

Associate your brand with specific components of the payload, gaining a direct connection to the mission.

## 2/. Brand Visibility

Your brand will be recognized across our primary communication channels and select events.

## 3/. Mission

### Briefings

Receive regular mission updates and exclusive insights.

## 4/. Opportunities

### for Product

### Placement

Potential for your product to be integrated within the mission environment, pending mission suitability

## 5/. Employee

### Engagement

Involve your employees in mission-related activities, fostering a sense of excitement and involvement.

## 6/. Experiential

### Marketing

Opportunities for audience engagement through select in-person and virtual events and promotions.

## 7/. Select

### Merchandising

### Rights

Opportunities to produce and distribute co-branded merchandise to promote your involvement with the mission.

# Mission Partner

INNOVATOR

**AED 50,000**

FIFTY THOUSAND DIRHAMS

Associate your organization with innovation and exploration as a Lunar Mission Innovator. This partnership level entitles your organization to naming association with a specific mission component, access to select mission briefings, and opportunities for employee engagement. Recognition in related content and merchandise allows your brand to shine alongside this lunar endeavor.

## 1/. Naming

### Association

Associate your brand with a component of the mission, fostering a direct connection to the mission.

## 2/. Mission

### Briefings

Stay updated with mission progress through select briefings and updates.

## 3/. Brand Visibility

Your brand will be recognized across our primary communication channels and select events.

## 4/. Employee

### Engagement

Foster employee excitement and engagement through involvement in select mission-related activities.

## 5/. Recognition in

### Mission-Related

### Content and

### Merchandise

Have your brand represented in select mission content and co-branded merchandise.

# Mission Partner

CATALYST

## AED 10,000

TEN THOUSAND DIRHAMS

Inspire your team and stakeholders as a Lunar Mission Catalyst. This partnership level offers your organization recognition in select mission communications and access to regular mission updates. Engage your employees in mission-related initiatives and enjoy recognition in mission content to demonstrate your commitment to supporting scientific advancement.

### 1/. Recognition in Select Mission Communications

Your brand will be acknowledged in select communications related to the mission.

### 2/. Access to Regular Mission Updates

Stay connected and informed with regular updates on the mission's progress.

### 3/. Employee Engagement in Mission-Related Initiatives

Engage your employees in select mission-related activities.

### 4/. Recognition in Mission-Related Content

Your brand will be recognized within select mission-related content.



Each small step towards the Moon is a giant leap for our shared dreams and aspirations.

# Mission Partner

## EXPLORER

# AED 1,000

ONE THOUSAND DIRHAMS

Open to individual supporters, the Lunar Mission Explorer partnership invites you to become a part of our mission supporters' community. Gain access to regular mission updates, be a part of a global network committed to space exploration, and receive recognition in select mission communications.

### 1/. Your Name On the Moon

Your name will go to the moon aboard the mission payload.

### 2/. Inclusion in the Mission Supporters' Community

Be part of the broader community supporting the OS Lunar Mission.



# Our Impact

Orbital Space is proud of its strong track record of engaging students in real-world space research.

The impact of the OS Lunar mission extends beyond scientific exploration. As part of the Orbital Space Lunar Program, the mission plays a critical role in inspiring and empowering students and raising public awareness about the challenges and possibilities of lunar exploration and extended human presence on the moon. Your partnership with us will contribute to these transformative impacts, aligning your brand with the pioneering spirit of space exploration and education.

Orbital Space provides unique opportunities to develop skills in scientific method, critical thinking, and leadership. Our initiatives have garnered significant media attention and won prestigious awards.



2019 Orbital Space Established



2021 QMR-KWT Launched



2019 Experiment in Space Competition



2015 STARS Camp Established



2019 Space Initiative of the Year



2021 CIS Ground Station Established



2020 Kuwait's first space mission



# **Empowering the next generation of space innovators**

Explore | Discover | Inspire

Join us on  
our journey  
to the moon.

We are dedicated  
to the exploration  
and development of  
space technologies.



## Contact

Nada AlShammari

OS Lunar Mission  
Engagement and Outreach Director

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Email: [media@orbital-space.com](mailto:media@orbital-space.com)

**We are eager to bring on board partners who share our passion for space exploration, research and education. Should you wish to proceed with this partnership opportunity, please get in touch with our Engagement and Outreach Team Director.**



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