

### META(art)

# Technological Platform of the Digital Online Museum

Project by Interactive Graphics Laboratory





### Digital Online Museum Platform

# Transforms history and art into an engaging game in any standard browser

#### The art accessible to everyone through:

- The website on the Internet
- Virtual reality
- Large smart TV screen
- Smartphone screen

anywhere in the world







### Digital Online Museum Platform

## Art in a new format Classics +

### 100% <u>accurate</u> 3D copies of art masterpieces

- Paintings
- Sculptures
- Ceramics and porcelain
- Decorative and applied arts
- Other artworks

#### but also:

- Virtual assitant
- VR Application Meta(art) Metaverse
- Unique interactive advertising
- NFT marketplace
- Crypto application NFT(art)

Modernity

Art sales









# Advantages of the Digital Online Museum Platform

#### Works an any

#### devices:

- smartphones
- tablets
- laptops
- PCs (Windows, MacOS)
- augmented reality headsets
- virtual reality headsets
- smart TVs
- TV sets



Just use any browser!

No additional software installations required.





# Advantages of the Digital Online Museum Platform

### Makes the museum accessible to those who might never have the chance!

- Individuals with financial constraints
- People living in remote areas
- People with disabilities
- Residents of foreign countries
- Youth and young adults
- And <u>many</u> others







# Advantages of the Digital Online Museum Platform

#### Showcases artworks that might

never be seen otherwise!

- Masterpieces from the museum's storerooms
- Artworks by emerging and unknown artists
- Architectural monuments that are difficult to access
- Destroyed historical monuments restored in virtual reality
- And <u>many</u> others







# Advantages of the Digital Online Museum Platform

- Absolutely authentic copies of artworks
- Opportunity to view artworks from all the sides in a three-dimensional space
- Visible minute details can be scrutinized up close
- The most spectacular and fantastic design of exhibition halls.
- <u>All</u> most widely spoken languages

#### And most importantly!

- No additional software needed, just use any regular browser.
- Available on any devices, including smartphones.
- Instant load, no need to wait.





# Cultural heritage conservation Digital Online Museum

Enables the digitization of not just paintings and sculptures, but <u>any</u> cultural heritage objects:

- Exact digital twins of architectural landmarks, historical monuments, and protected natural areas.
- Access to the culture and history of the country for people from all over the world.
- Opportunity to study hard-to-reach objects in detail.
- A digital replica ensures 100% accuracy in restoration work.







# How does it work? Complex graphics - made easy! Interactive streaming

Advanced 3D graphics on your phone or tablet -

<u>no</u> lags or delays!

The secret lies in cloud-based rendering: complex graphics are processed in the data center and streamed as video to your device.

Seamlessly control everything: rotate, zoom, and switch between objects – in real-time.

Every user enjoys a <u>personalized</u>, realistic <u>virtual world</u> on any device, even <u>the least powerful</u> ones.

All resource-intensive computations are processed in the data center.





## How does it work? Interactive streaming + web technologies

•Interactive 3D graphics: our technology transforms the art viewing experience into an engaging game. Feel the novelty and magic of art right at your fingertips!

•Classic website: the website features a complete catalog of works, allowing users to explore detailed information about the artworks and their creators. Ideal for those who prefer a traditional approach.

•Information accessibility: our website is easily searchable by search engines, making artworks accessible anywhere in the world.





### META(art) Platform

+ Artificial intelligence (AI)

A virtual (yet so charming) assistant to the world of art on the digital museum website

- Enjoy your tour while listening to a lifelike voice in your native language
  - Get information about exhibits in a convenient format
- Don't worry about missing anything subtitles are always there.







### META(art) Platform

+ Artificial intelligence (AI)

# Your guide to the world of art who is always by your side - a virtual assistant with a lifelike voice!

This isn't just a chatbot. It's your own personal museum guide, brought to life! Ask questions, explore exhibits, navigate halls - all with the help of a friendly voice assistant who shares insightful details in a clear and engaging way.







## META(art) Platform + Artificial intelligence (AI)

ArtLab - create

your own image

with the help of
Artificial Intelligence!

On the virtual museum websites, you'll find the

ArtLab section, where you can become a true artist without needing special skills. Using AI, you can create your own unique image simply by describing your desired scene or entering a keyword.





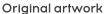


Users' images



Ivan Korshunov Rat King







## VR application Metaverse

### **VR** application

#### on the Digital Online Museum Platform

- Virtual reality headset is the <u>best</u> way to immerse yourself in the metaverse of world art!
- Examples of free VR applications created on the Platform, available in the largest online game store, Steam:

<u>MalovMetaArt Metaverse</u> MalovModernArt Virtual Museum







## VR application Metaverse

The virtual reality museum is just like the museum on the Internet.

### But the best part is:

The virtual reality application is developed **automatically** along with the creation of galleries in the Online Museum, <u>without any additional</u> costs or time required.







## NFT(art) crypto app

#### Special application for NFT token buyers

 A unique platform: more than just an online museum it is an NFT marketplace where each artwork comes with its own NFT.

 Authenticity protection: only the NFT owner can display the purchased artworks, ensured by a dedicated application.

• **Encryption**: all NFTs are securely protected.

• Available on:

 laptops and desktops (Windows, MacOS)

- smart TVs
- TV boxes







## Interactive advertising on the platform

Innovative interactive advertising in the exhibition halls of the digital online museum

and VR application

 Not just banners, but a full product immersion!

• It's a game, not just a display: our ads actively engage users, offering much more than traditional banners.

• Cost-Effective: the cost per interaction with our interactive ads is comparable to standard online advertising rates.





## Interactive advertising on the platform

Advertising for any items that match the image and standards of the Digital Online Museum:

- Premium goods
- Cars
- Real estate
- Travel packages, etc.

### Advantages:

- Increased sales: people are more likely to buy what they can experience.
- Instant decision making: purchases can be made immediately after viewing the ad on the museum website or in the VR application.

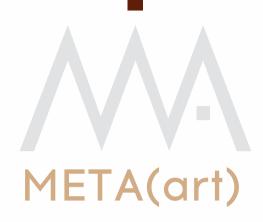












WE WILL BE HAPPY TO ANSWER ANY OF YOUR QUESTIONS

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