

Ministry of Science and Higher Education of the Russian  
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FGBOU VO  
Rybinsk State Aviation Technical University named after P. A.  
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INSTITUTE OF «INFORMATION TECHNOLOGIES AND CONTROL SYSTEMS»

DEPARTMENT OF FOREIGN LANGUAGES

«THE RISE OF EDGE COMPUTING: A MODERN WAY TO PROCESS DATA»

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# Relevance of edge computing



Growth of Connected  
Devices



Data Security  
Concerns



Real-Time Processing



Cloud Limitations



Industry  
Transformation

A person is seated in the driver's seat of a car, looking at a tablet. The image is overlaid with various futuristic digital elements: a soundwave graphic in the top left, a 'Self Driving' label with a car icon in the top center, a yellow bounding box around a car in the rearview mirror, a Wi-Fi symbol, a location pin, a play button, and a map on the tablet. A solid green rectangle is in the top right corner.

# What is Edge Computing?

EDGE COMPUTING IS A NEW WAY TO ANALYZE AND PROCESS DATA.

# Key Advantages of Edge Computing



Faster Responses



Improved Data Security



Reduced Internet Bandwidth Usage



Resilience During Outages

# Real-World Applications of Edge Computing



Healthcare



Retail



Energy



Entertainment



Government and Military-  
industrial complex



# The Future of Edge Computing

- ▶ Edge AI
- ▶ 5G technology
- ▶ Internet-of-Things





# Thank you for your attention

The presentation was prepared by a student of the IVM-24 group  
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