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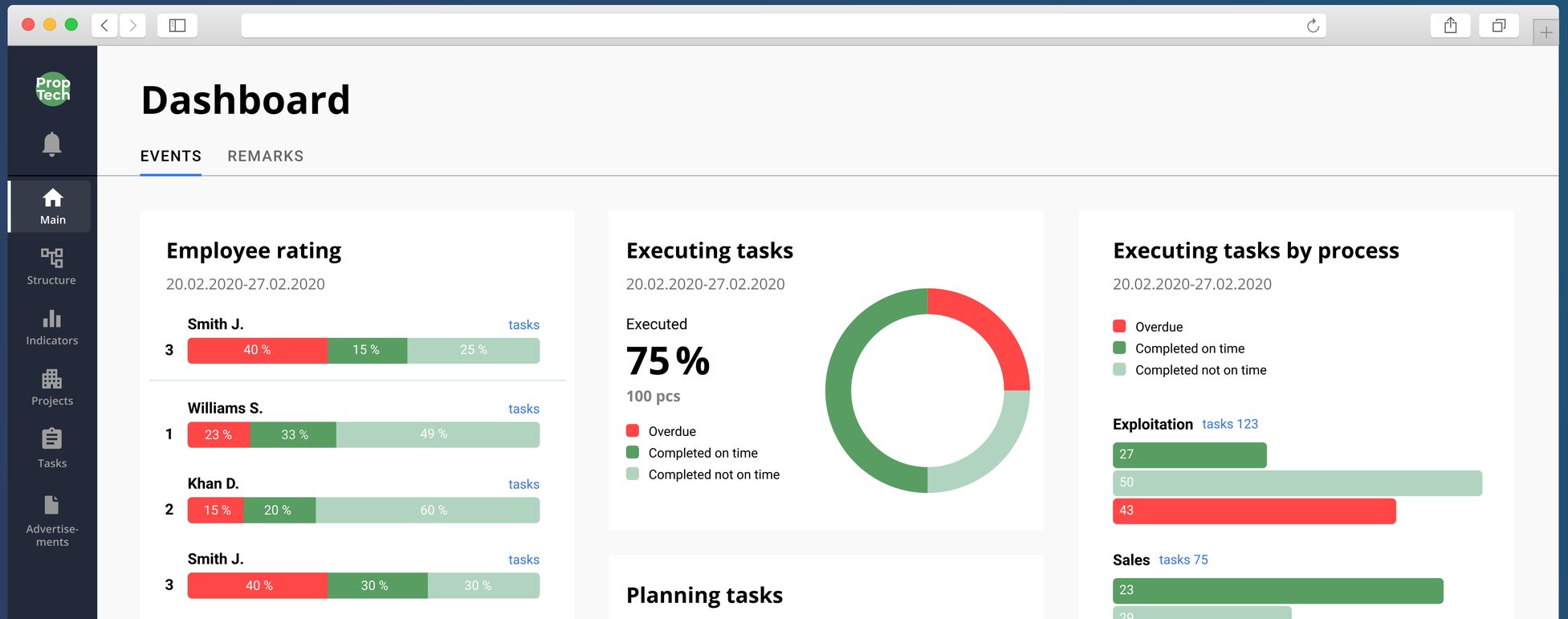
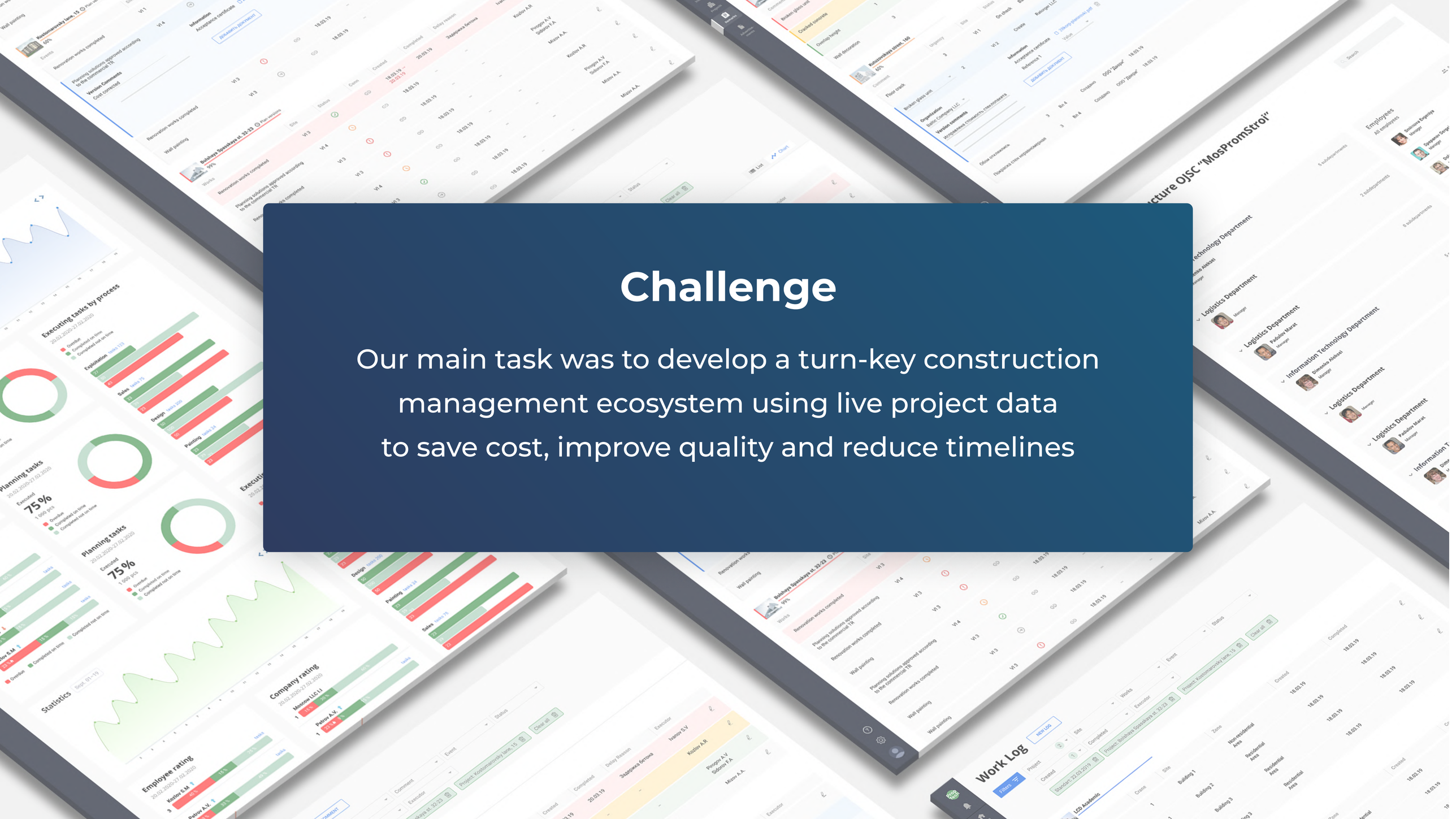
PropTech

Residential and commercial real estate construction timeline was reduced by 20 % as well as overall cost by 5 %





Challenge

Our main task was to develop a turn-key construction management ecosystem using live project data to save cost, improve quality and reduce timelines

Key points

Developed construction process model which allows automatically plan stages of construction work according to limited resources

- Designated a team of analysts with extensive experience in construction processes automation
- Created a design adapted to work with big data without losing any context
- Provided increased personal and financial data protection
- Used a microservice architecture for easier scalability
- Achieved support for 10 thousand simultaneous users
- Developed support for web and mobile devices

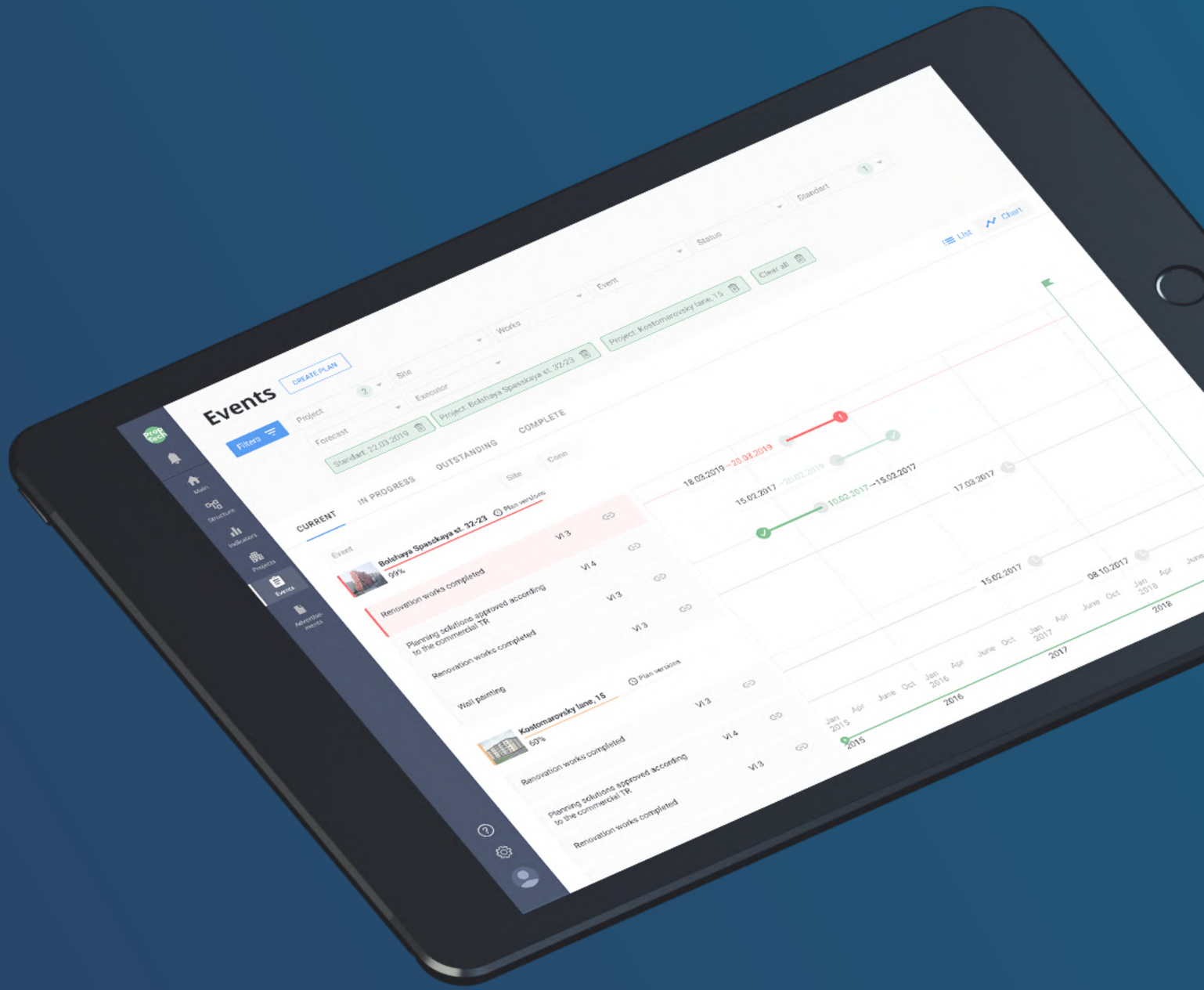
SOLUTION

Planning and monitoring module

Developed a module that helps:

- ✓ Plan key points throughout the construction process
- ✓ Promptly respond to any violated deadlines
- ✓ Instantly gather current statuses and reasons for any deviations from the plan
- ✓ Analyze reasons for any deviations and delays for the upcoming projects

20 %
project's timeline reduction



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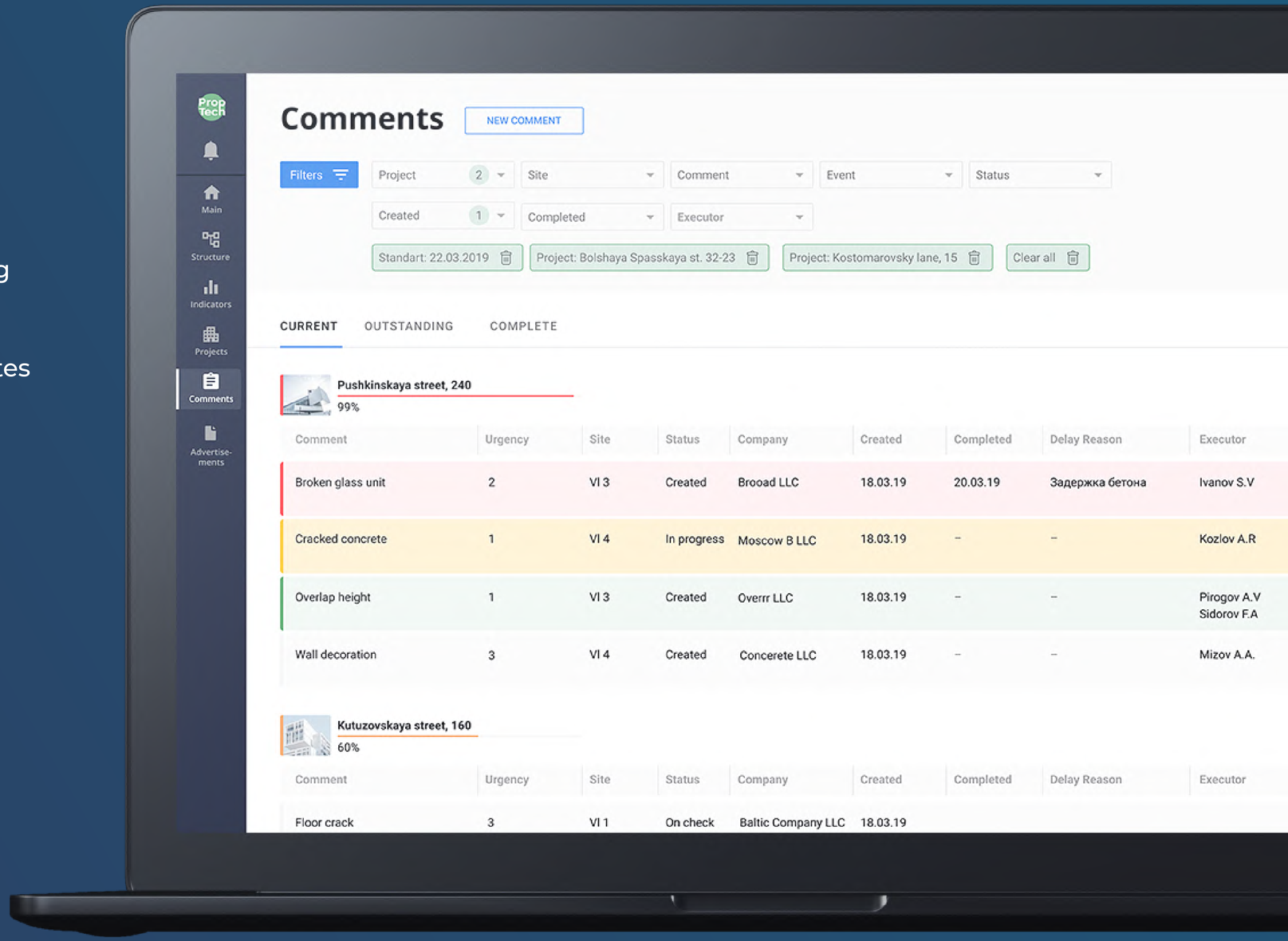
SOLUTION

Tech control module

Developed a module that provides:

- ✓ Construction quality control for every stage starting from excavation to project's delivery
- ✓ Single environment for resolving any kind of disputes between clients and contractors
- ✓ Quick response to any decline in quality
- ✓ Checklist system for detailed site assessment



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SOLUTION

Fact collection module

Functionality of this module allows:

- ✓ Collect actual costs during each stage of work
- ✓ Receive exact data regarding labour resources
- ✓ Determine actual performance of employees
- ✓ Calculate costs for the upcoming projects based on own data, rather than the market average data

5%
saving on
construction costs

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SOLUTION

Financial planning module

Functionality of the module allows:

- ✓ Potential marginality calculation at the stage of pre-project construction site inspection
- ✓ Rolling-wave planning based on actual costs and available funds during the project implementation
- ✓ Economy and cost overruns defining when working with different details

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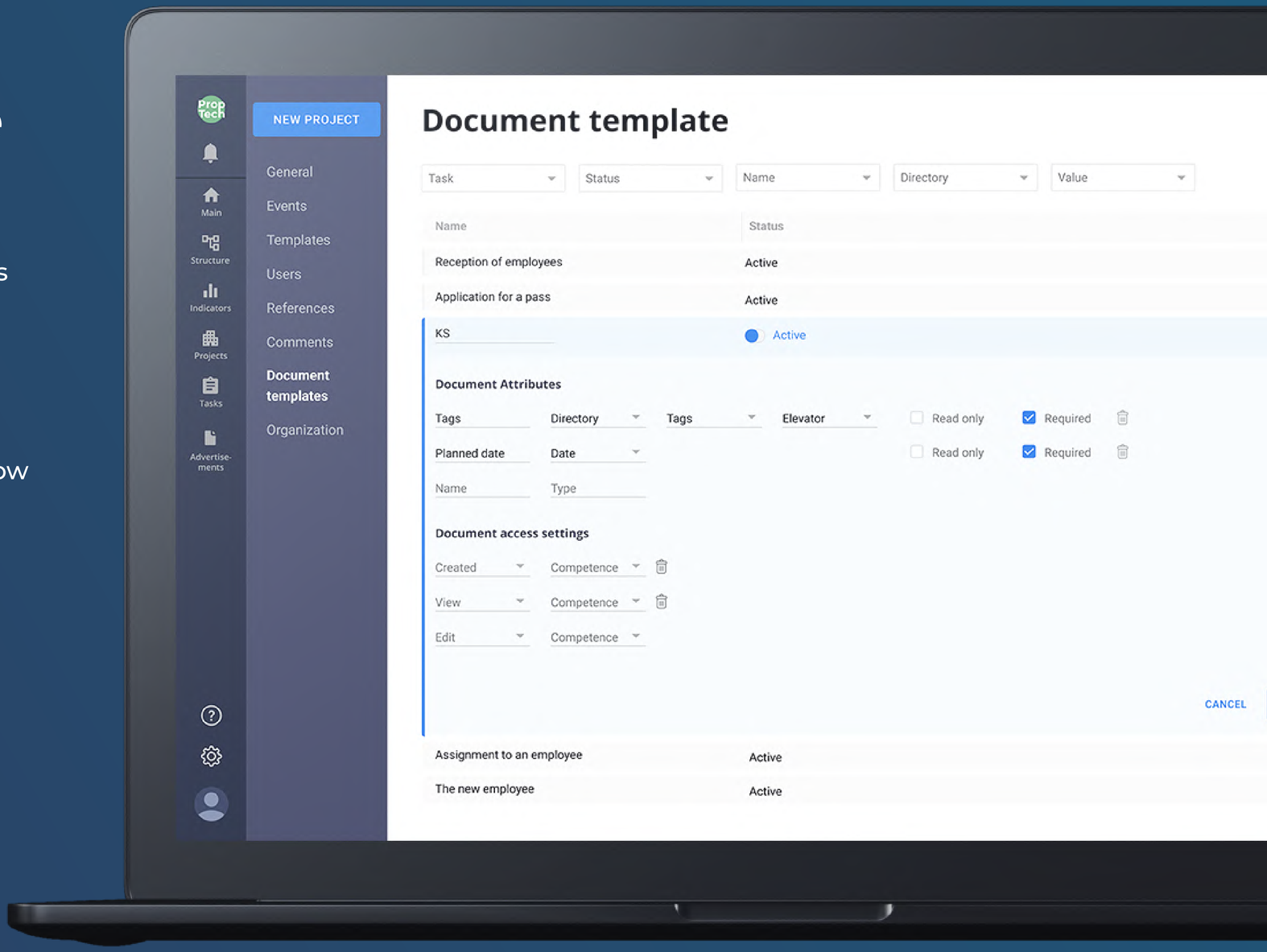
SOLUTION

Process control module

Module allows:

- ✓ Organize task sequence for the company's employees and monitor its completion
- ✓ Define key indicators for employees in relation to the company's strategy
- ✓ Automate routine business processes, track and narrow down by optimizing any bottlenecks with the help of a graphic editor



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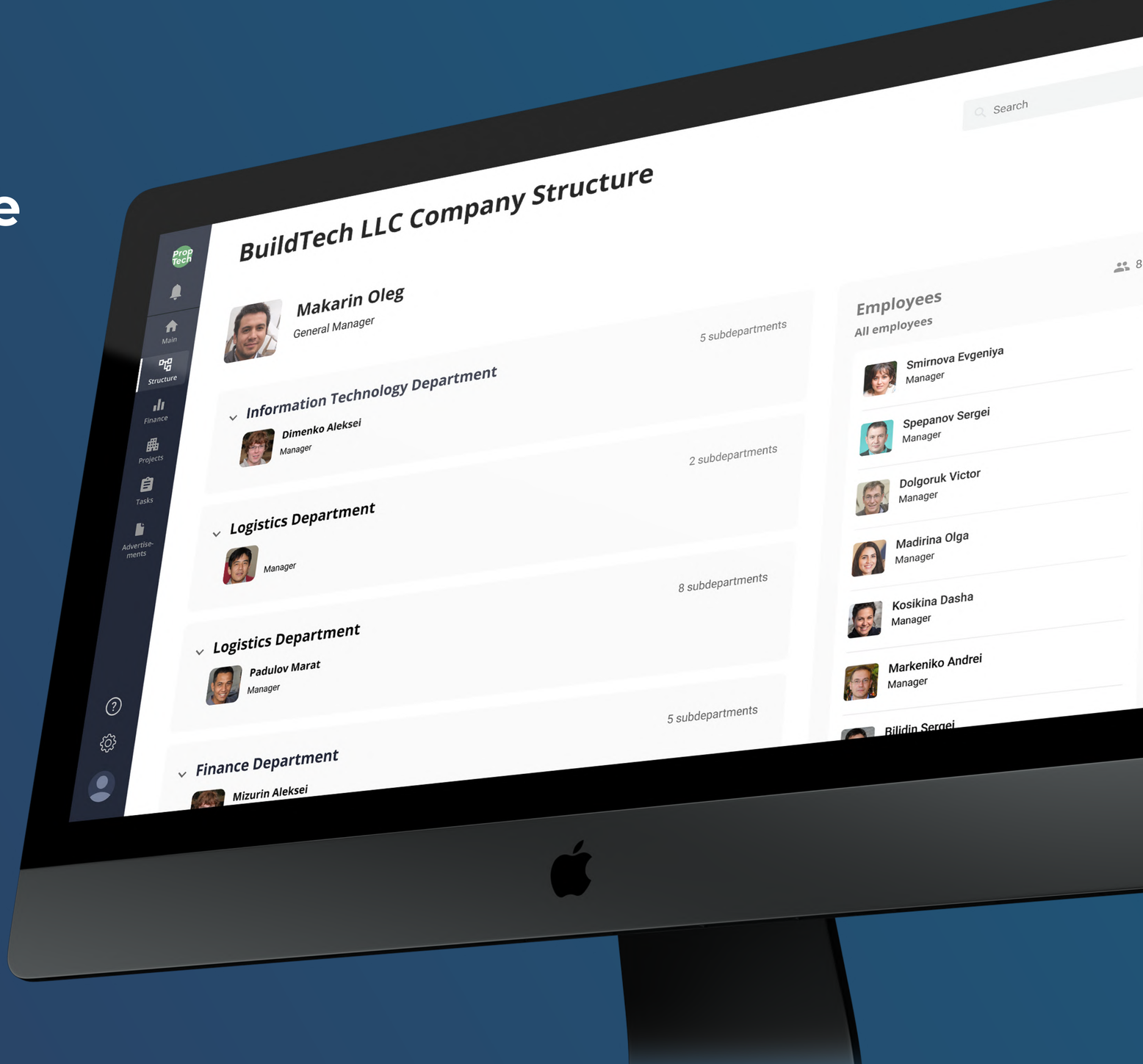
SOLUTION

Corporate Portal module

Additionally, we have implemented a separate block, corporate space for managers and the company's employees where one can publish notifications, organizational structure and news block.

For quick communication, we have also added a chat feature with a built-in chatbot which supports contextual linking to tasks and construction sites.



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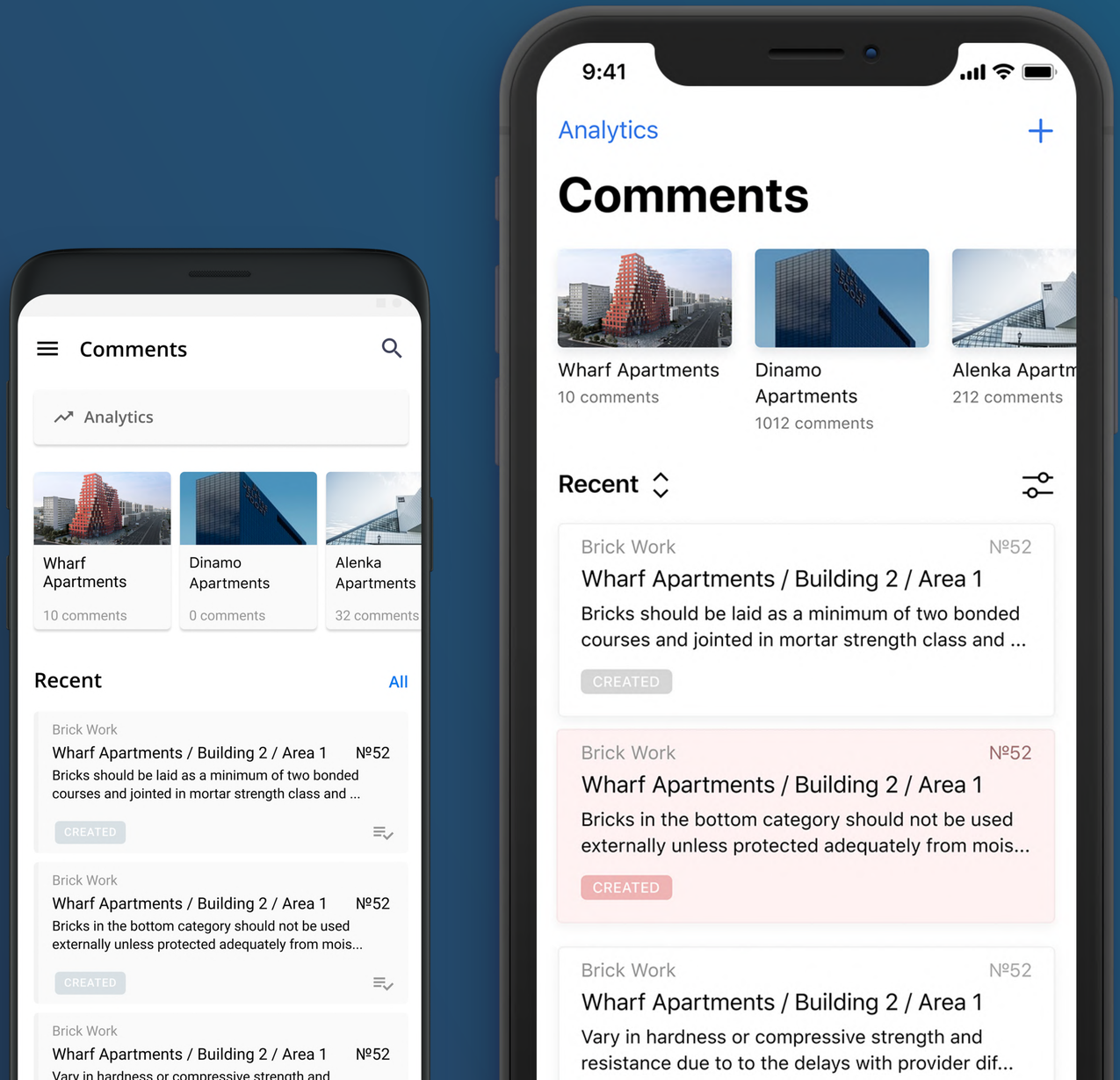
SOLUTION

Mobile app for iOS and Android

Striving for better flexibility when working with the platform native applications both for iOS and Android were developed.



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Put your trust in StecPoint

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