



AUTODESK CONSTRUCTION CLOUD™



БРУСНИКА

## How Brusnika Reduced Design Coordination Time by 95% Using BIM 360 for Construction Document Management

Cloud-based construction document management can be vital to improving construction quality and productivity. For Brusnika, implementing a cloud-based construction document management platform reduced design coordination time by 95% while improving project outcomes.



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## Customer Snapshot

FIRM SIZE:	1000–5000
FIRM TYPE:	GENERAL CONTRACTOR
REVENUE:	\$74.38 MILLION
FOCUS AREA:	COMMERCIAL
HQ:	TYUMEN, SIBERIA

### PHASE:



### PRODUCTS:



### VALUE DRIVERS:



## Why Data Standardisation and Design Coordination is Critical

Brusnika was founded in Tyumen, Siberia, in 2004 to specialise in constructing democratic urban housing across Russia's largest cities. The company aspires to change people's lives for the better, offering affordable yet comfortable and quality accommodation that's simple, reliable, functional, and convenient.

Every year the company builds and sells more than 4,000 apartments across five of the largest cities outside Moscow and Saint-Petersburg. The company was the first to introduce architectural and urban innovations to affordable housing developments in the area.

Brusnika began its BIM journey in 2017, aiming to improve construction quality management and digitise its workflows. To retrieve quality data and metrics, the company sought to increase reporting efficiency and consistency across all project stakeholders. While the company was already using Revit to retrieve data and information from their models, their storage management system was outdated and inconsistent, leading to data loss and inefficiencies.

"As the business was expanding, the process of managing and storing design data became more difficult due to the lack of formalised reporting structure and design coordination," says Artem Deryushkin, BIM Manager at Brusnika. "With more projects coming online, we needed a solution that would increase efficiency in reporting, structure project data to identify and eliminate project pain points, and increase collaboration and construction productivity."



## Improving Construction Productivity with Data Standardisation

Brusnika's BIM team wanted to understand what products could improve internal collaboration and positively impact construction productivity and project performance. The first step was developing a data standardisation strategy and roadmap by exploring construction techniques and an internal evaluation of construction processes.

After evaluating several solutions, the team decided to deploy BIM 360 within Autodesk Construction Cloud™ as its common data environment (CDE) for collaboration and data management as it met their desired business outcomes of quality, cost, and time savings.

"BIM 360 is a valuable tool, and we selected it as our construction document management platform for two reasons," says Deryushkin. "First, it provided the ability for us to unite all stakeholders in one place. Secondly, due to its interoperability with our other IT systems, we've garnered greater insight into our project data."

Brusnika believes that cloud-based construction document management is the future of construction as it provides the opportunity to connect and access information from any device anytime and anywhere. The integration of BIM 360 with its internal IT systems made the selection a no-brainer.

The company's goal was to use BIM 360 to organise and measure processes using its analytic capabilities to optimise workflows. Implementation was broken down into three phases:

1. Develop rules and standards for setting up projects and folder structure, design reviews, and naming conventions
2. Overcome the challenge of adapting users to new technology
3. Integrate BIM 360 with an internal IT system

## Design Coordination Depends on Full Adoption

To ensure the successful implementation of BIM 360, Brusnika looked to the Autodesk extended Account and Construction Customer Success team to assist, support, and train 25 Project Managers. The team worked together to create customised training tailored toward those specialists as they were responsible for the company's entire design and construction process.

By splitting the larger group into smaller teams, the company's Project Managers were able to tailor the focus of the training to get the team on board and familiar with the platform.

Brusnika hired a BIM Manager within each of the five strategic cities where the company operates to maintain adoption throughout the business. This decision helped to drive efficiencies in using BIM 360 across the entire company while engaging with all project stakeholders in one environment for design review and coordination.

As the team continued to use the construction data management platform, they worked with Autodesk to refine processes based on standardised data to get better results.

## Cloud-based Construction Quality Management Leads to Stronger Construction Productivity

According to the statistics provided by the project management team in Brusnika's Novosibirsk branch, using cloud-based construction document management reduced the time of design coordination by 95%.

It used to take 15-25 minutes – depending on the complexity of the drawing – to compare two drawings. Now, it takes between 1-5 minutes, freeing up time to coordinate more essential tasks.

With more than 50 specialists involved in a single project, organising the team's work in a CDE reduces the risk of information loss. As a result of the successful deployment of BIM 360 on 36 projects in less than ten months, Brusnika could scale its business with new projects while opening new offices.

The "Expert RA" credit rating agency has also recently assigned a credit rating of ruBBB to Brusnika, indicating a stable level of creditworthiness and financial stability of the company, which positively impacts its brand.

With BIM 360 and other construction quality management systems in place, Brusnika is confident and ready to expand across Moscow to offer innovative housing solutions that change people's lives.