



Revolutionary Solutions

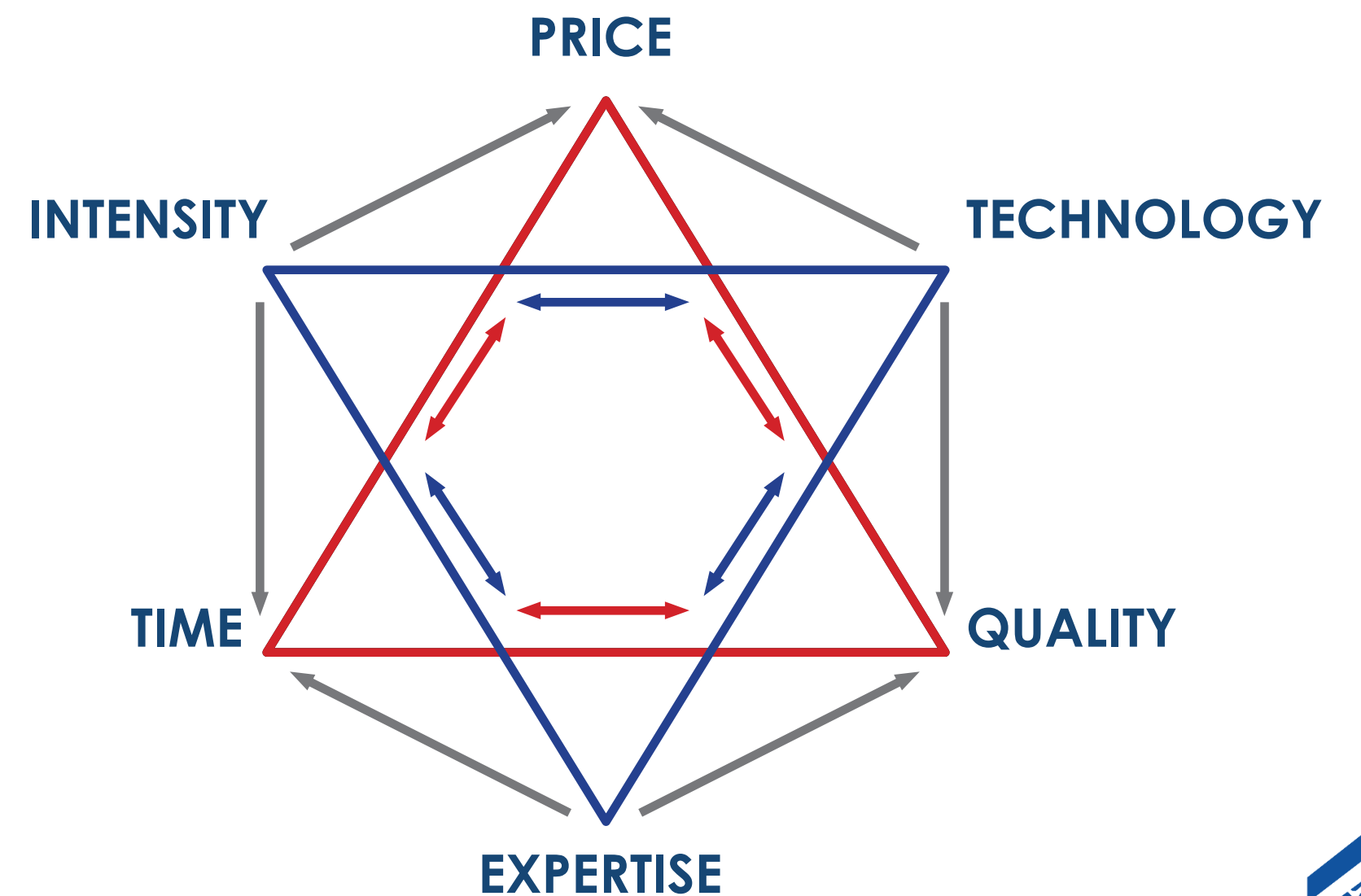
for Digital Management of Investment
and Construction Projects





BIM4TEAM

is an innovative suite of modules and algorithms for managing investment and construction projects that employs a 6-factor analysis at design, construction and subsequent management stages



Is the final cost of your project far exceeding your planned budget and you are failing to adhere to project deadlines?

We know why:



- There is no constant monitoring of design, building and management processes
- Changes are not tracked in real time
- Overheads and construction costs are not fully accounted for
- Some resources are wasted on abortive work

- Design and engineering errors lengthen project timelines
- The human factor affects the pace, quality and cost of construction
- Procurement errors result in idle machinery and workforce

Irreparable losses of time and financial resources reduce project profitability

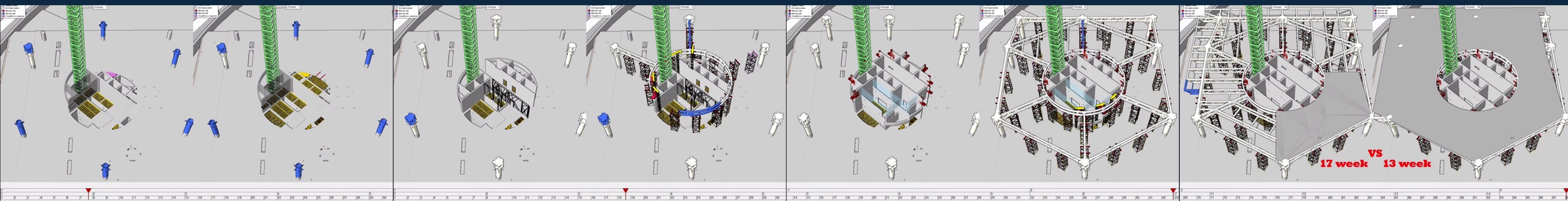
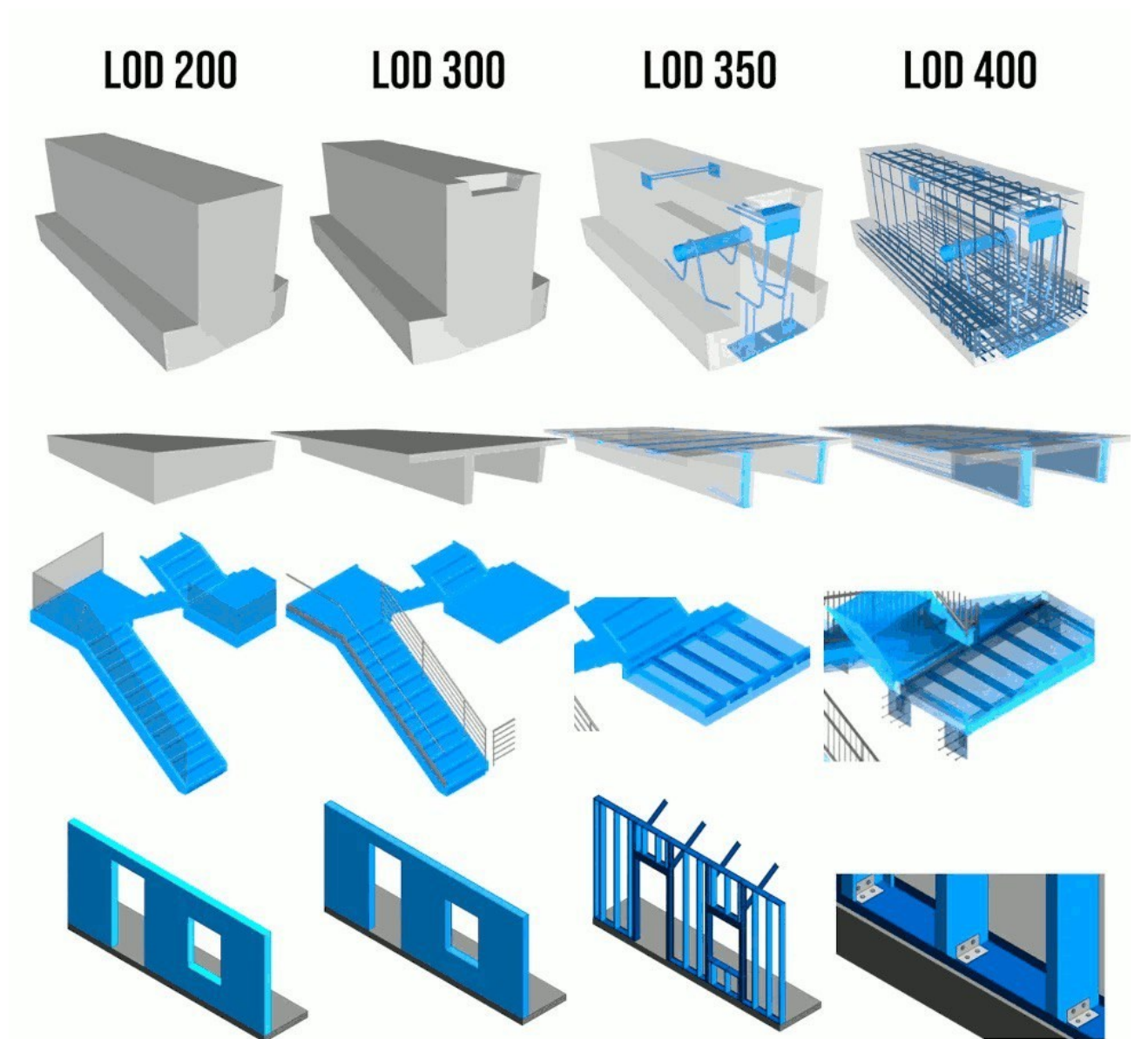
BIM4TEAM is an integrated solution for all these problems!

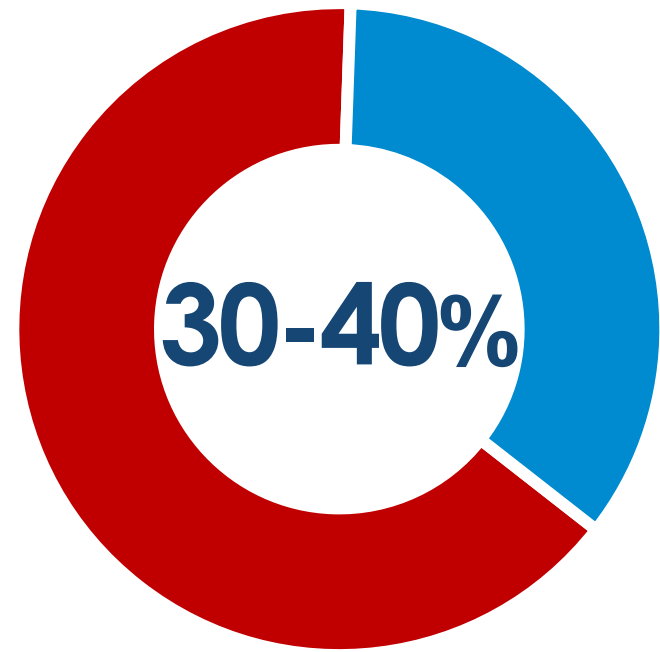
- Synchronization of construction technology with supplies, resources, mechanisms and construction intensity
- Monitoring every stage of project development: design, construction and management
- Speedy management decision making
- Instant response to any changes
- Time and money savings



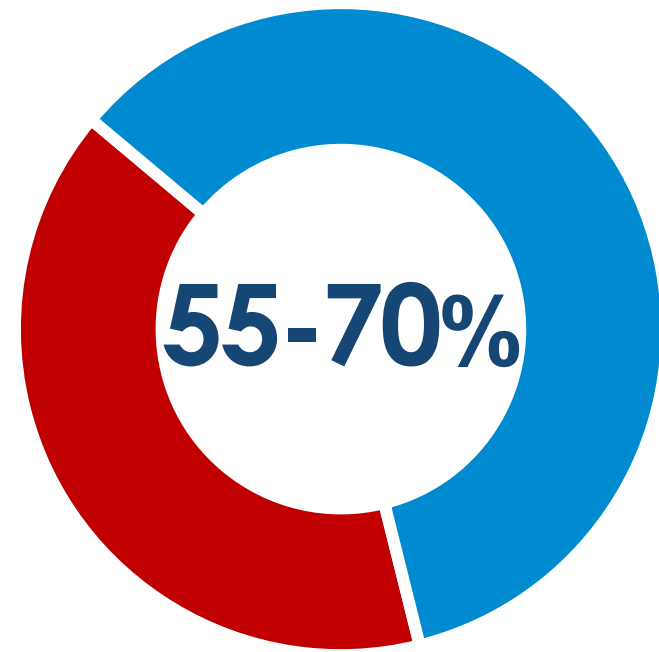
Why choose **BIM4TEAM**

- Technical audit of planning and building permit documents with optimization recommendations
- Dynamic **BIM model** with digital construction organization design
- Digital core, in which a digital twin allows for rapid iterations from **LOD 200** to **LOD 450**
- Value engineering to ensure a fixed price for construction project financing
- Optimization and robotization of construction processes
- Digital operational module based on a digital **3D BIM model**

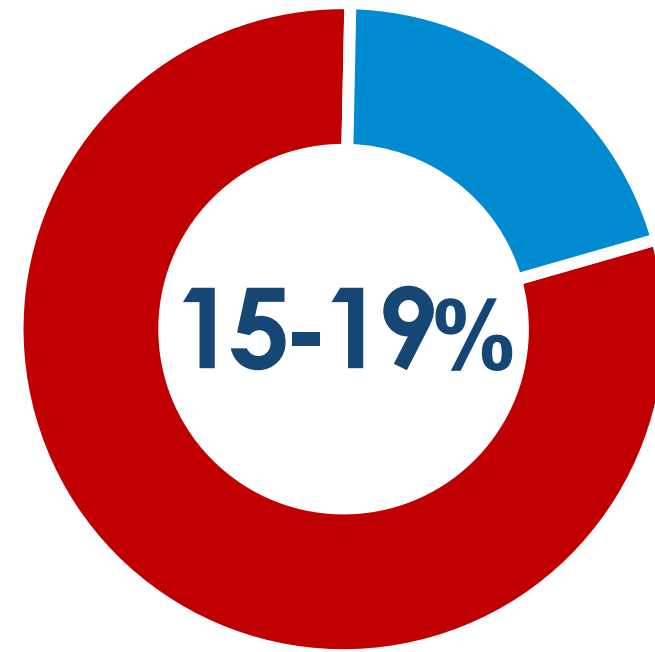




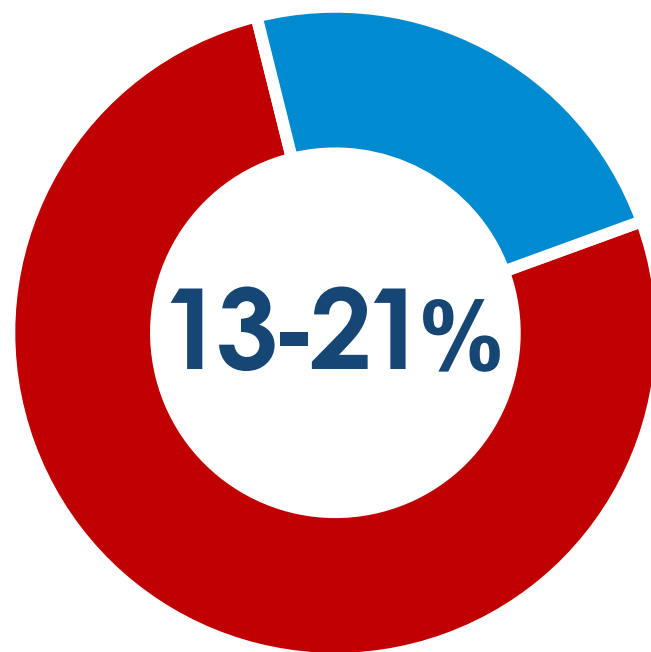
reduction of overall design timeframes



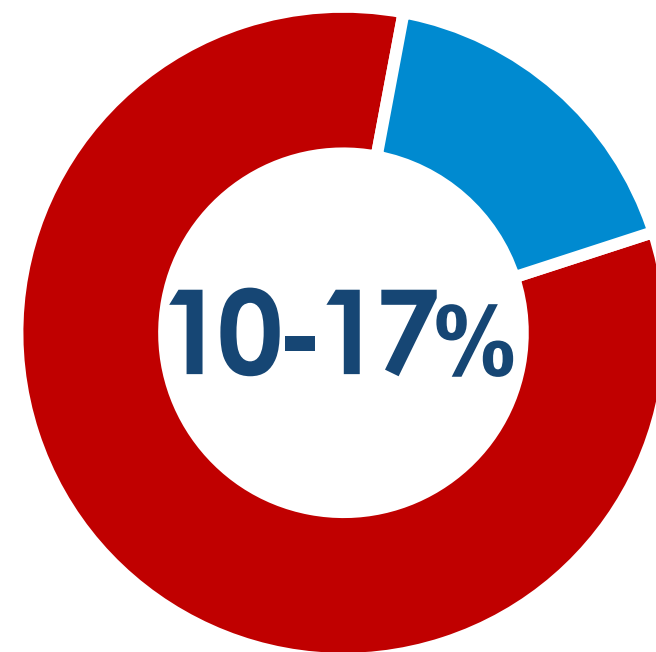
reduction of time needed to issue permissive documentation



reduction of project payback period



cost savings at design and construction stages



cost savings at management stage

≈ 100%

elimination of project errors due to automated search for collisions and their subsequent removal

10 times faster

response to receiving model information without data loss compared to the traditional approach

4-10 times faster

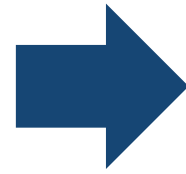
estimation of construction and installation works with subsequent adjustment of cost calculations

10 or more times faster

delivery of as-built documentation and certificates of completion

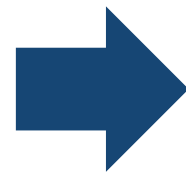
BIM4TEAM – revolutionary solutions for all construction project stakeholders

Real estate
investors



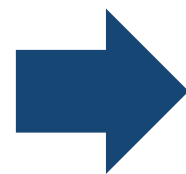
Full control over timelines and costs at every project stage

Project design
companies



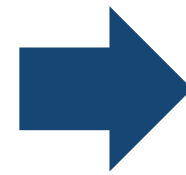
Quick changes to the project with the help of **BIM dynamic model**

General
contractors



Selection of optimal construction plan, control over timelines and financial resources at each stage of construction

Management
companies



Increased lifetime of buildings due to timely maintenance and speedy resolution of operational problems



Solutions for real estate investors

- New digital solutions for financial control and planning
- Most accurate project costing and time planning to facilitate quick decision making at any stage
- Up-to-date information on expenditures on the construction site versus accounting records
- Real-time construction progress and volume monitoring
- Joint work of all project stakeholders in a single digital information cloud with ranking of database access levels
- Forced replacement of project designer or general contractor in the shortest possible time without data loss
- Creation of an individual building climate model based on static and dynamic BIM scenarios for subsequent management



Solutions

for project design companies

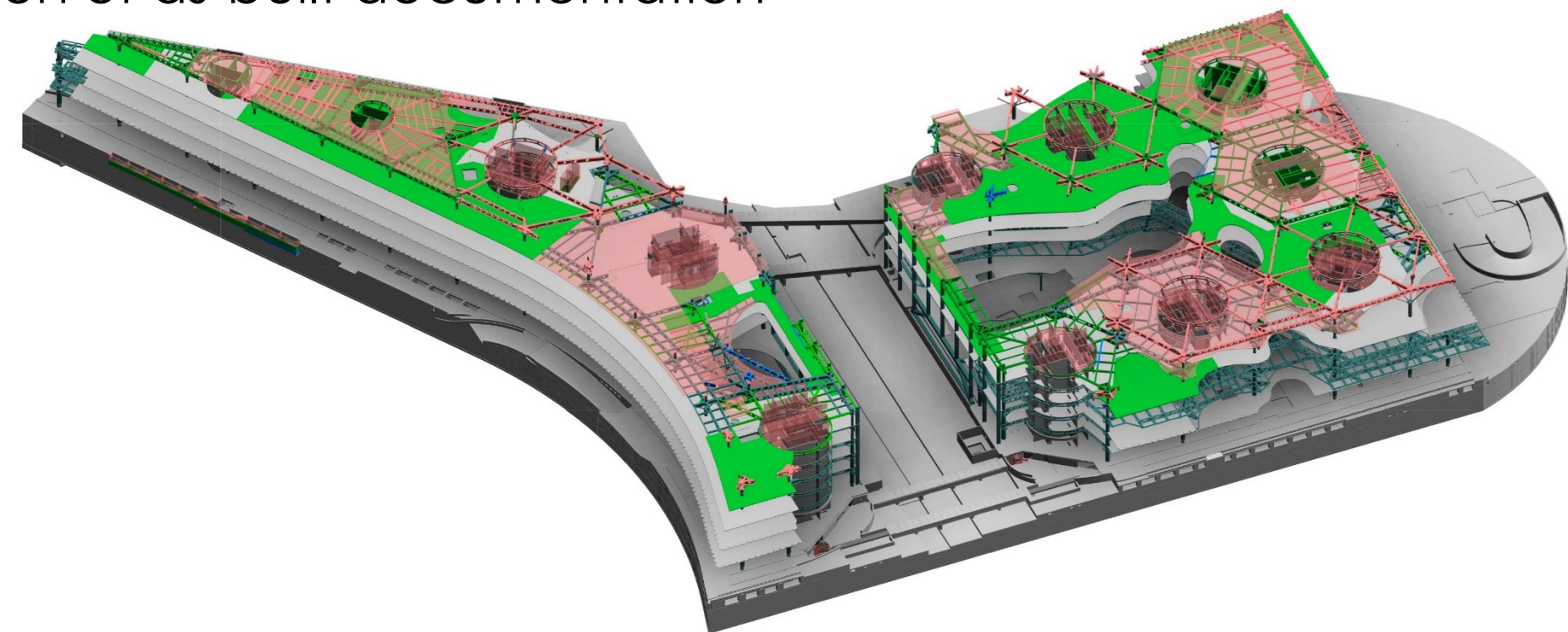
- Optimal construction plan based on timelines and costs with the help of digital construction organization project
- Comfortable work on collisions and changes to the project
- Remote author's supervision if necessary
- Instant response to decisions and changes made by the project author
- Automatic changes to cost estimates in accordance with market rates

for general contractors

- Creation of a digital construction organization project based on optimal construction plan
- Monitoring and synchronization of construction plan with the delivery schedule, human resources and machinery
- Online construction progress monitoring
- Minimization of the human factor
- Automation of as-built documentation delivery

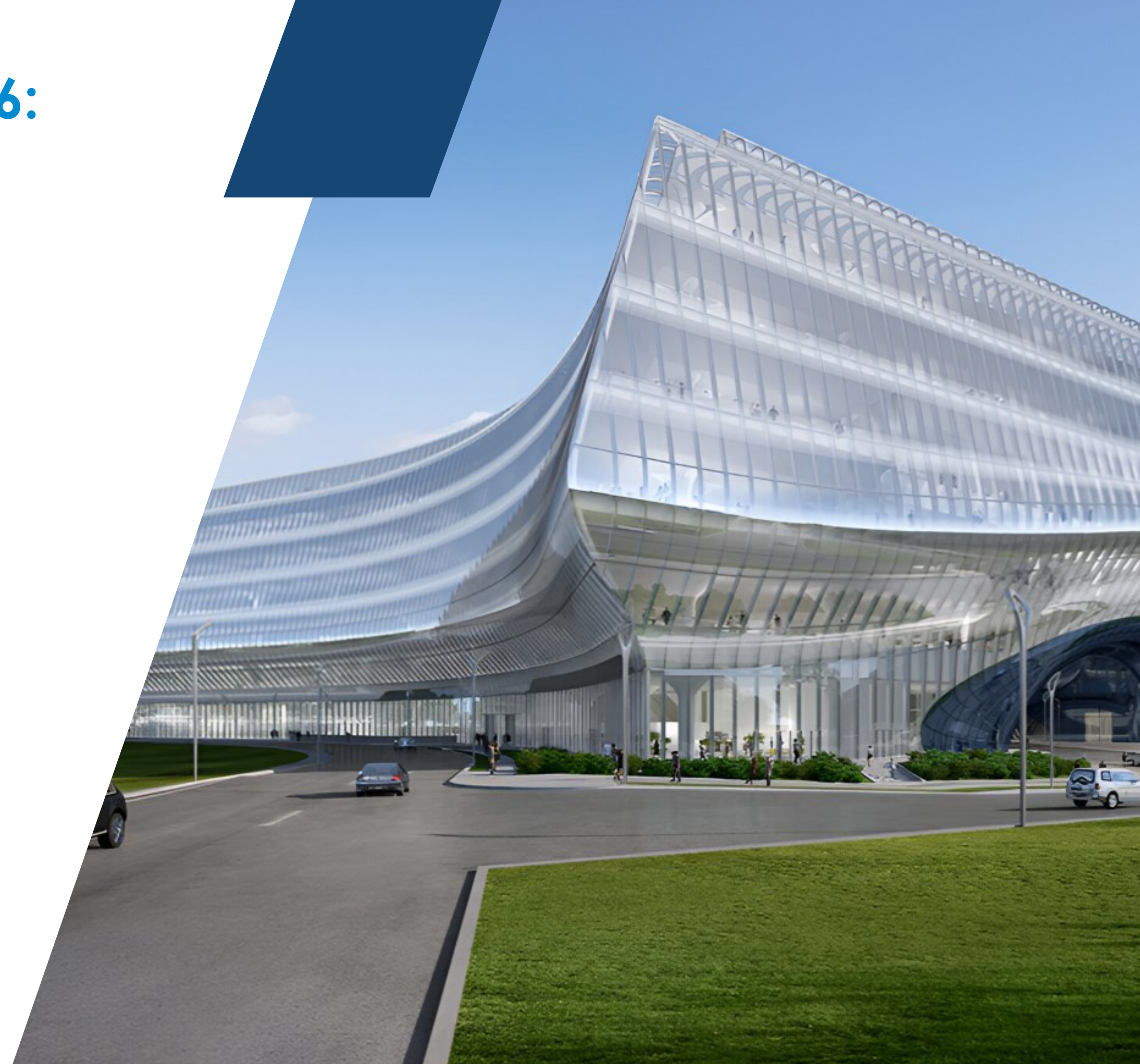
for management companies

- Optimization of operational costs throughout the life cycle of the facility
- Control over the timely fulfillment of scheduled maintenance work
- Timely maintenance of engineering systems, assembly units and equipment



Development strategy for 2024 – 2026: implementation of robotization and AI software

- Creating software for automation in investment and construction projects
- New algorithms for stable and secure data transfer between different software
- Sustainable links between the digital twin, calendar and network planning environment and cost estimates
- Maximum robotization of construction processes
- Digital management company with operational module that takes climate models into account and **“BIM simulator”** based on the dynamic **BIM construction model**
- Own competence center with online and offline training
- **“BIM simulators”** for teaching personnel engineering systems, equipment, process technology and emergency actions





Our team

BIM4TEAM is a result of joint effort of highly skilled engineers, construction workers, building technologists, designers, programmers, IT specialists and top managers

Our team has **25 years** of experience:

6 000 000 square meters of investment and construction projects

100+ hours of expert work

12 partner project design offices

372 BIM specialists





bimrevolution.com



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