

Digitalization in Construction

The Path to Efficiency and Innovation

Learn how to adapt to new construction trends using the latest technologies and improve communication and management on your projects.



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Digitalization of Project Management

Say STOP to Paperwork

Regardless of your professional background, you have surely noticed the growing emphasis on digitalization of project management, processes, and implementation of artificial intelligence across all industries.

Individual concepts such as Industry 4.0, Society 4.0, and Construction 4.0 emphasize the importance of digitalization for the development of industries and companies, with data and information playing a key role as fundamental pillars.

Today's project managers seek quick access to information and a comprehensive overview of the projects they manage.

MS Excel is commonly used for project management, however transitioning to modern digital technologies offers significant room for improving efficiency and reducing errors. This change not only enables optimization of data evaluation but can also bring significant improvements in the process of entering information at the beginning of a project.



Construction in the Digital Era

Construction, although strategically important, is among the least digitalized sectors. The construction process often suffers from deficiencies in collaboration, insufficient information transfer, and low investment in modern machinery and technologies.

These shortcomings later result in poor quality of work performed or failure to meet deadlines. The good news, however, is that the private sector is already actively promoting construction digitalization and actively using digital elements. Government agencies and public administration are gradually digitalizing as well.

Are you also looking for a reliable tool with which you can clearly and efficiently manage your assigned projects?

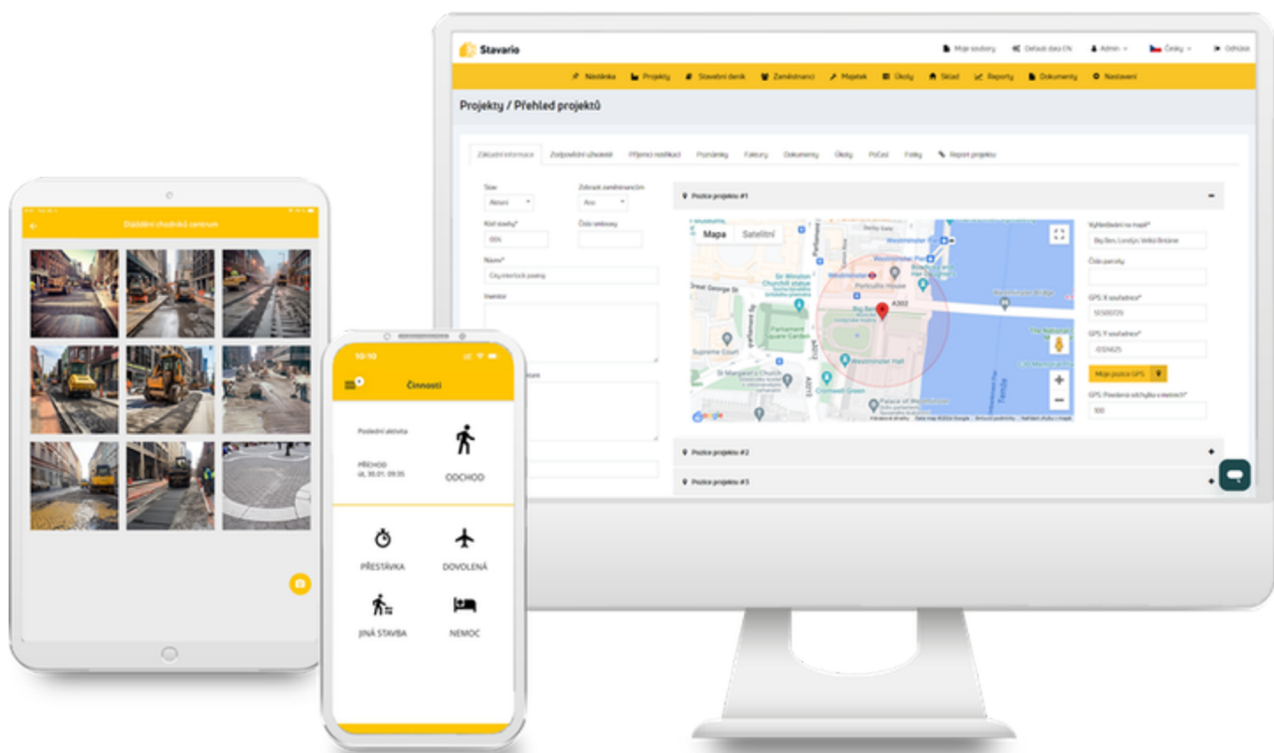


New Trends in Digital Tools

In recent years, we have realized how crucial it is for corporate management to respond flexibly to unexpected situations. These challenges have strengthened the need for effective project management solutions that use digital technologies not only for management and control, but also to support team collaboration and data sharing.

The growing trend toward adopting digital tools and changing attitudes toward technology is currently obvious and irreversible.

A more advanced step toward optimizing these procedures is the inclusion of artificial intelligence. Its application brings revolutionary improvements in efficiency, predicting future developments, and automating the management of corporate projects, processes, and operations.



Artificial Intelligence: The Engine of Digital Progress

Artificial intelligence (AI) plays a key role in digital transformation, influencing a wide range of industries. The following points represent specific areas where the importance of AI and its use is evident:

Augmented and Virtual Reality (AR/VR): These technologies open new perspectives for imagining and visualizing projects before their implementation, improving design understanding and enabling identification of potential problems.

Use of Artificial Intelligence (AI) and Machine Learning: AI brings revolutionary improvements in efficiency, predicting future developments, and automating project and operations management.

Internet of Things (IoT): IoT plays an important role in data collection and construction monitoring, providing key information about project status and worker safety.

BIM (Building Information Modeling) at the Next Level: BIM facilitates collaboration and integration with other technologies for deeper analysis and prediction.

Sustainability and Green Technologies: Digitalization facilitates the integration of green technologies and management of sustainable projects.

Digital Twins: Simulation and analysis of projects in a digital environment represent the possibility of preventing problems and optimizing processes.

New Trends in Digital Tools: Effective digital solutions support team collaboration and data sharing, which is key for flexible responses to unexpected situations.

With these benefits, artificial intelligence becomes an integral part of optimizing corporate processes and projects.

Effective Communication and Overview

Why do company management and project team leaders demand electronic tools?



**Instant overview
of everything**



**Cost and
time
savings**



**Improved
communication
between
participants**



**Clear coordination
of activities**



**Collaboration
with
subcontractors**



**Sharing and
approving
related
documents**



**More flexible
response to
individual
requirements**



**Meeting
completion
deadlines and
work quality**

These are just some of the basic reasons why company directors and site managers seek a modern yet simple tool that supports them in all phases of implementation.

How to Stay Informed and Always One Step Ahead

Current and accurate information is
the key to effective management.



Real-time overview: Thanks to the Stavario system, the site manager has a clear overview of which crew is on which construction site.



Quick response: Can flexibly respond to sudden employee absences.



Machinery tracking: Also has a quick overview of machinery and tool movements.



Loss elimination: No more long searches for "issued tools".



Asset management: The asset manager has a constant overview of necessary service actions for individual equipment.

Digitalization of Attendance for Higher Efficiency

Paper notes and the need for on-site signing are a thing of the past. Traditional paper timesheets and so-called "notebooks" have become just a reminder of earlier attendance tracking methods.

Stavario - one environment that allows sharing data, responding to situations and requirements. On time and from wherever you are.

Instant overview: The project manager has a detailed overview of hours worked and employee wage entitlements at the push of a button.

Centralized data sharing: The digital environment allows all participants to share data, respond to current situations and requirements in real time.

Flexible access: Provides access to information from anywhere, increasing flexibility and management efficiency.



Advantages of Modern Management in Your Hands

What benefits does modern project management bring to its individual participants?

INVESTOR

Schedule tracking: Ability to quickly and timely monitor project implementation.

Photo documentation: Creating a photo gallery of construction progress.

Budget control: Monitoring budget spending.

Quick response: Flexible response to questions and clarifications.

CONTRACTOR

Access to construction documents: Access to construction documents anytime and anywhere.

Work progress overview: Constant overview of work being performed.

Technology control: Monitoring and controlling implemented technology.

Attendance records: Overview of employee attendance.

Communication: Informing employees directly on their mobile phones.

Planning: Operational planning of employees and machinery.

Wages and vacations: Overview of paid wages and vacation usage.

Your New Companion: Digital Construction Diary

A mandatory and integral part of construction projects is the construction diary. The traditional paper form is gradually being replaced by a digital format.

Keeping a diary in paper form is demanding not only in terms of time, but also places great responsibility on designated persons. The electronic form of keeping a construction diary significantly simplifies the work of entering information. For example, downloading meteorological data into the weather section is a matter of just one click.

In the same way, you can get an overview of regular OHS training, employee attendance on site, or entitlement to PPE.

The electronic construction diary also enables faster work when keeping subcontractor diaries, eliminating double entries.

The shared electronic form of project management also allows easy access to data for inspection authorities.



Maximizing Performance with Reports and Exports

Have a comprehensive overview of material stock status, orders, invoices, vacations, mandatory OHS training, PPE usage, and other critical data in one place.

For quick and effective decision-making, accurate information and overviews are essential. Although Excel is widely used in construction, its manual management is time-consuming and prone to errors.

It often happens that outdated overviews circulate between individual company departments, leading to the need for repeated updates and corrections. With the Stavario system, you can have all necessary overviews always up-to-date and available at the push of a button. This includes not only overviews for payroll accountants but also for other key management areas.

All data can be easily exported and shared, ensuring its currency and minimizing the risk of errors.

Download
Stavario
today



How Modernization Saves Time and Money

The investment in digital tools is not high and will certainly pay off in a short time. The Stavario management system will help you implement and complete a project in the agreed quality, price, and timeline.

Use a modern tool for managing not only construction projects, which will increase your competitiveness. Keep in mind that dynamic changes in construction will bring another wave of digitalization (AI), which will gradually affect all participants.

Be prepared and try Stavario now. You can also schedule a meeting or online presentation to learn more about our solutions.

Stavario: bringing innovation and order to construction



Get a Free Online Consultation



Try out how the electronic construction diary works in a risk-free environment. We have prepared a simple demo for you that will convince you of the benefits of digitalizing your company in just a few hours. Join dozens of satisfied clients who Stavario helps streamline processes and save work.

Do you like what you see? Or still don't know how to start?

We would be happy to demonstrate the main advantages of the Stavario system live! For an online consultation, all you need is a computer with a microphone, a few minutes of time, and the desire to take your construction company to the next level.

A short presentation will be guided by



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And if you are still hesitating, mention our slogan "I build simply." when inquiring and get a free month when signing the contract.



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