

10 reasons why you should create your own MES system!

In today's manufacturing world, agility, flexibility and quality are decisive competitive factors. **DMG MORI** has recognized the challenge of continuously optimizing production processes and integrating innovative solutions that meet these requirements. By using no-code platform **TULIP** in combination with Citizen Development, the advantages of digitalization in production are exploited holistically and the symbiosis between man and machine is strengthened without being completely dependent on external resources.





What is Citizen Development?

Citizen development refers to the development of software applications by so-called citizen developers - i.e. users who are not professional programmers but come from specialist departments such as production, logistics or quality management. With the help of no-code or low-code platforms such as **TULIP**, they can create digital solutions that are precisely tailored to their specific requirements without the need for in-depth programming knowledge.

Instead of leaving development tasks exclusively to specialized IT teams, employees from operational areas are empowered to create applications independently. Citizen development therefore not only promotes innovation and agility, but also closes the gap between specialist departments and IT, which significantly accelerates digitalization and automation in companies.

Paradigm shift in production

„Nobody knows the challenges of production as well as the people who work there“

Citizen development represents a paradigm shift in production: Instead of leaving development tasks exclusively to specialized IT teams, skilled workers from production are empowered to develop digital solutions themselves in order to optimize production processes. With the help of our no-code platform **TULIP**, these users can **create tailor-made applications for a modular Manufacturing Execution System (MES)** without having to rely on professional programmers.

Instead of implementing traditional, monolithic MES solutions, which are often expensive and difficult to customize, Citizen Development enables an **agile and flexible approach with TULIP**: Employees who know the production processes best develop their own digital tools to improve assembly processes, quality assurance or data acquisition, for example.

This approach not only allows companies to react more quickly to new requirements, but also to close the gap between IT and production. Citizen Development is thus driving digitalization in manufacturing and helping to create a scalable, user-centric MES that is precisely tailored to the needs of your production processes.

10 BENEFITS OF CITIZEN DEVELOPMENT

1

Customized software solution

The no-code platform TULIP enables Citizen Developers to create and adapt customized solutions for specific production needs without programming knowledge. Companies can react quickly to changes in production or market requirements.

2

Integration with IIoT & Industry 4.0

As a platform, TULIP supports modern Industry 4.0 technologies and the Internet of Things (IIoT). Citizen developers can seamlessly integrate sensors, machines and other IoT devices to make production processes smarter and more efficient.

3

Cost-saving proprietary developments

As Citizen Developers can create solutions independently, companies save considerable costs for external developers or specialized software solutions. High maintenance costs for traditional MES systems are also eliminated.

4

Faster market launch

TULIP accelerate the creation and offering of new applications. Projects can be implemented more quickly, which shortens the time-to-market for new products and processes and creates a competitive advantage.

5

Scalability & extensibility

Applications developed on no-code platforms are easily scalable and can be flexibly adapted to changing business requirements. Companies can easily move from pilot projects to large-scale implementations.

6

Improving quality & reducing errors

Citizen developers can develop targeted applications that uncover and improve weak points in production processes. Real-time data analysis and error tracking lead to higher quality and lower reject rates.

7

Empowerment of own specialists

The opportunity to create your own applications motivates employees and encourages innovative thinking. The independent development of applications creates a greater connection to the tools, which promotes efficiency and acceptance.

8

Optimized data collection & transparency

Modular MES solutions enable seamless integration into existing systems and record production-relevant data in real time. This gives companies holistic transparency of the production process, allowing them to make better decisions.

9

Compliance with regulatory requirements

With no-code platforms, companies can create applications that are tailored to compliance requirements. Documentation, audit trails and reports can be automated and adapted to legal requirements at any time.

10

Reduction of IT-dependency

The use of no-code solutions eliminates many dependencies on IT teams. Specialist departments can develop applications independently, which significantly speeds up the development process and relieves the burden on IT.

CONCLUSION

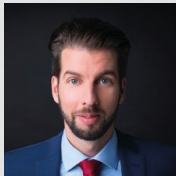
With **Citizen Development** and the **TULIP** no-code platform **DMG MORI** is opening up a completely new dimension in production optimization.

The development of software applications and the scalability of the platform allow you to react flexibly, cost-efficiently and agilely to the challenges of modern production. Promotion Citizen Development not only strengthens the innovative power of the company, but also the commitment and satisfaction of the employees, which leads to sustainable success and competitive advantages in the long term.

Want to find out more?

With **TULIP**, you lay the foundation for the competitiveness and future-proofing of your production. Create your own individual applications for your production.

We will support you step-by-step.



Contact

Sebastian Kress
Head of Digital Solutions Sales
DMG MORI Technium Europe GmbH
Tel.: +49 15119434515
E-Mail: sebastian.kress@dmgmori.com

REQUEST
YOUR FREE
POTENTIAL
ANALYSIS NOW

You can find more information on **TULIP** here:

<https://de.dmgmori.com/produkte/digitalisierung/tulip>

