



YOUR VISION = OUR MISSION

Your professionals for DIGITAL product development

MISSION EC: COMPANY

**Mission EC is a
software service provider
in product development.**

Our Domain:
DIGITAL Product Development

Our Mission:
Constant Progress

mission^{EC}



MISSION EC: SUMMARY OF THE SERVICES OFFERED

Mission EC is your specialist for DIGITAL product development.

Our Approach:

We develop. We coordinate. We advise.

Our teams are first-class, well-rehearsed and tried and tested.

The Goal:

With our expertise and services, we help companies that develop DIGITAL PRODUCTS to better plan and implement their creative and future-oriented projects.

Your Benefit:

If you are looking for IT experts, want to expand your development team, set up a new IT team or modernise your product development process, then Mission EC is your reliable partner for technical excellence and innovation!

How our customers see us

#get-better-faster
#continuous-improvement

"The testa framework developed by Markus Hillebrand and Sebastian Hoering's team created the basis for not only generating over 30,000 test results every day, but also for analysing and monitoring them efficiently."

"The consultant developed the method of „integrative test management“ to coordinate the approval of eight sub-projects. In view of the tight development schedule, this was the key success factor in completing the function in time for the SOP"

"Due to their many years of experience and their own methodology in the field of test management, we made a conscious decision in favour of Mission EC. Mission EC's hands-on approach of working directly with the developers sets it apart from established players in the industry. Mission EC works with the team to develop measures for sustainable quality improvement and takes a holistic approach that includes aspects such as tool selection, methodology and mindset."

"The consultant developed the standards for the technical specification and documentation when the largest agile project in the company's history was being set up. He transformed the existing standards so that they are suitable for the agile approach and at the same time fulfil the Group-wide requirements. Overall, the consultant's work enabled the project to set the BMW Group-wide standard for specification and documentation in agile projects."



Philipp Schwarzbauer
Audi



Andreas Reitschuster
Audi



Jörg Hasenkamp
Allianz Technology



Ludwig Held
BMW

What we offer

#1 Engineering Services

#2 Engineering Coordination

#3 Engineering Consulting

FOCUS

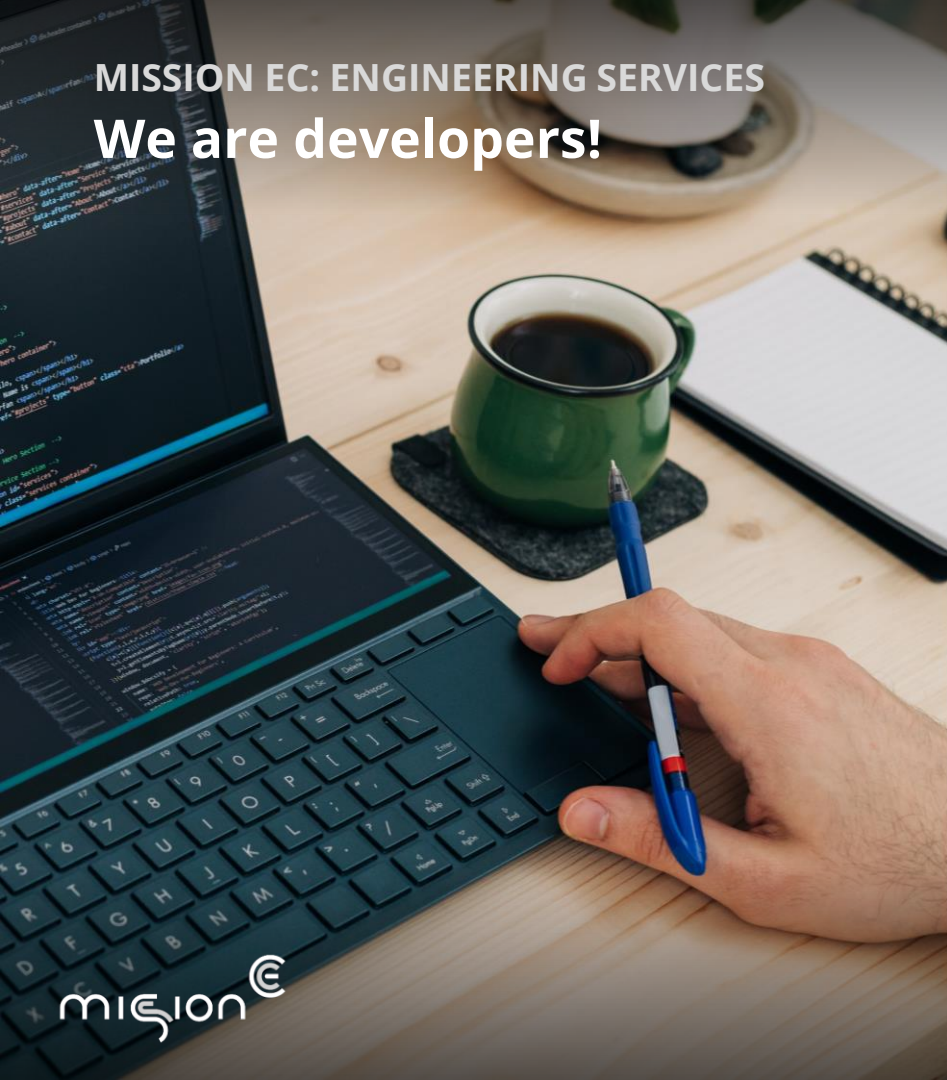
*THE DEVELOPMENT OF
DIGITAL PRODUCTS*

MISSION

*The continuous improvement of
quality, team cooperation, and
consistency.*

MISSION EC: ENGINEERING SERVICES

We are developers!



Development and automation

Application scenarios:

- Systems integration
- Framework development
- AI development and secure integration of AI
- Development of micro-services
- Code generation
- Data integration and processing

Special features:

- Professional development work
- High quality standards
- Sustainable maintainability



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Cutting-Edge Automated Approval

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Our QM bots are the solution for automating quality assurance

Application scenarios:

- Continuous monitoring
- Classic test automation
- Surveillance of service level agreements
- Digital operations control centre

Special features:

- Maximum automation
- High test intensity
- Cross systems testing ("end-2-end")



MISSION EC: ENGINEERING SERVICES
Release fast, release often

Continuous Integration Continuous Delivery (CI/CD)

Application scenarios:

- Setup/expansion of software development factories
- Migration, customisation, conversion of the Agile Release Train (ART)
- Meet special requirements for Industrial products (Docs & Compliance)

Special experience:

- Large firmware development pipelines
- Integration of 3rd party suppliers



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Be prepared to scale



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Cloud automation in development

Application scenarios:

- Automated set-up of services
- Monitoring & Alerting
- House-Keeping
- Scalable Release Trains
- Fast Reaction on Incidents

Special features:

- Infrastructure-as-Code
- Secure handling of development, integration and QA environments



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Get ready to go



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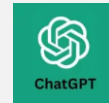
Provision and maintenance of Dev-Ecosystems

Application scenarios:

- Set up of Dev-Workbench (GitLab & Co)
- Training and support for the dev team
- Setting up the CI/CD pipeline

Special features:

- Our community working style



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Software-as-a-Service



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SaaS professionalisation

Application scenarios:

- Expansion of MVPs to 24x7 services
- Automated deployment
- Definition of process standards
- Audit preparation (e.g. ISMS)
- Cybersecurity and data protection
- Monitoring and verification of SLAs

Special features:

- ISMS secured through audits
- TiSAX label guarantees the highest standards



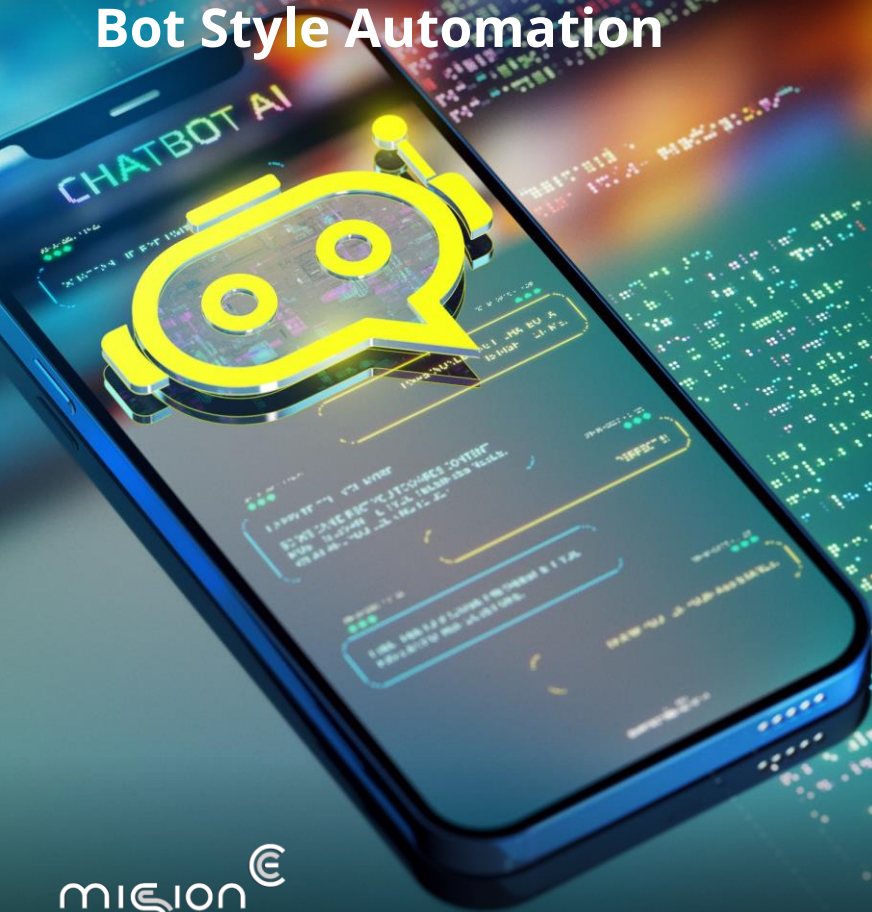
TiSAX[®]



GitLab

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Bot Style Automation



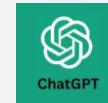
Chat bots for development teams

Application scenarios:

- AI ChatBots
- FAQ Bots
- Digital Twin Bots
- Process & Standards Bots
- Data supply bots

Special features:

- Bots in chats: Collaborative User interface
- Facilitates fast, flexible automation
- Encourages Learning by doing



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**Urgent and important?
Act immediately!**

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Data Stream Automation

Application scenarios:

- Introduction of data stream solutions
- Implementation of event agents for direct data reactions

Special features:

- Bot Based Event Agents
- Visualisation & scaling



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MISSION EC: ENGINEERING SERVICES Co-Operations



mission ©

Coordination in the product development process

Application scenarios:

- Setup, tailoring and right-sizing:
- Product specification and management
- Development processes
- Roles: Product owner, project manager
Release Train Engineer, Quality Manager...

Special features:

- At home in both business and engine room
- Street credibility with developers
- Risk-based approach



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Hands on Consulting

Advice on digital product development

Consulting topics:

- Optimisation of the organisational structure
- Product Lifecycle & Variant Management
- Technical Due Diligence
- Gap analyses
- Continuous Improvement Workshops

Special features:

- Many years of industry experience
 - Practical advice
-



MISSION EC: WE PROVIDE YOU WITH THE FOLLOWING ADDED VALUES

Mission EC makes your product development process more robust, transparent, flexible and efficient.

Your product developers concentrate on the essentials:
Customers, market presence and innovative features.

We support you in product development through automation.
We develop and maintain frameworks, tools, pipelines and bots.
We operate digital services, event brokers, databases and dashboards.

The result:

Faster product updates. Maximum operational reliability. First-class quality. Practised customer orientation. And the consistent fulfilment of process standards and service level agreements.



Let's get going!

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Overview Mission EC Workbench & Tools

 Automation Language	 Amazon Web Services	 Jenkins CI/CD
 GitLab Dev Ecosystem	 ATLASSIAN	 Jira
 git	 OpenSearch (~ Kibana)	 Robot Framework
 MicroSoft Teams	 Slack	 Rocket Chat
 Selenium	 Event-Stream Platform	 MQTT EventBroker
 Scaled Agile Framework	 TISAX Cyber-Sec standard	 Open source management
 Linux	 docker	 Kubernetes
 LangChain	 ChatGPT	 cloud service tooling
 Ansible & Terraform	 LAMBDATEST	 frameworks
 Salesforce Integrations	 MuleSoft	 ultimate team work

Mission EC: References (extended edition)

Allianz One Marketing - Quality Initiative



Continuous improvement in the quality assurance of a corporate CMS



Objective: Consulting, scoping, and adjustment of the test automation strategy.

Results

- *Determined and increased maturity levels*
- *Risk-based test strategy*
- *Automated usability tests*
- *Graphical Regression*
- *Bridged process gaps*

Technologies

Adobe AEM, Gherkin/Cucumber, Java, Confluence, Jenkins, JIRA, Percy, deque axe

CARIAD VW.OS

C A R I A D

OSS Management and BoM Automation



Objective: Legally compliant use of open source software.

Acquisition of all software components.

Automation of processes, incl. generation of release documents.

Results

- Standardised processes for the daily Update of the bill of materials
- Automated OSS scan of the products
- Automated release process for open source components
- Coordination between Legal + Engineering

Technologies

BlackDuck, Python, Jenkins

C A R I A D

**Continuous automated testing
for Salesforce and MuleSoft**



Objective: Validate a highly integrated CRM solution which is being used across the VW Group. Extensive automation with high coverage. Reduction in testing and validation costs.

Results

- Test results updated several times a day
- Regular load and performance tests
- End 2 End tests of integrations with partner systems
- Interface tests
- UI test of the Salesforce interface

Technologies

Salesforce, Mulesoft, Kibana, Jenkins, JIRA, MQTT, Python

SEAT and Volkswagen



Continuous LIVE Monitoring



Objective: Scaled monitoring independent of hardware setups / test racks.

Results

- *Virtual vehicle replaces expensive hardware*
- *Massive increase in test intensity*
- *Detection of sporadic errors*
- *Extended scope and coverage*

Technologies

SPEAK, AWS, Confluence, Docker, Jenkins, JIRA, MQTT, Python

Testa

TESTA

Quality Improvement Framework



Modular system for the automation of quality assurance tasks

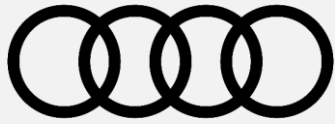
Features

- *Can be used for user interfaces, backends and networked individual components (IoT)*
- *Cloud-scalable test bots*
- *High degree of automation*
- *Analytics Workbench*
- *Integrated into numerous common Dev-Eco systems*
- *Business tests can be used for load & performance testing*

Status

- *In production*

Audi Connect



Introduction of test automation



Objective: Set up automated regression tests. Reduction of manual tests.

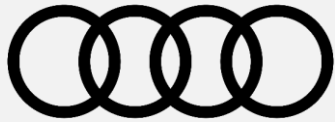
Results

- *Developed & established a modular Framework*
- *Set up a Community of Practice*
- *Cross-departmental use*
- *Automated end-2-end testing*

Technologies

AWS, Confluence, Docker, Jenkins, JIRA, MQTT, Python

Audi Connect



Integrative test management



Objective: Coordination of safeguarding tasks with long functional chains

Results

- *Project: Audi Connect Roles and rights Successful SOP*
- *Project: Audi Connect Key Successful SOP*

Methods

- *Coordination of several test trades*
- *Coordination of OEM and service providers*
- *Cross-departmental*
- *Integration coordination*
- *Stabilisation of cooperation*