Let´s innovate together

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MOTIUS
Intro

Reinventing Your Business With Emerging Tech

New technologies change rapidly, creating countless opportunities for your businesses to grow. Yet, many companies are struggling to facilitate these emerging technologies for actual value creation.

Motius is an engineering company specialized in emerging technologies. We are dedicated to supporting you in using the latest technologies and in creating a lasting return for your business.

With our interdisciplinary expertise in the fields of Production Automation, Product Innovation, Business Process Optimization and User Experiences, we bring emerging technologies to productive solutions.

Generated Value For Our Clients

20%
reduction of time spent during maintenance of turbines through Deep Learning

MTU Aero Engines

30%
less manufacturing costs through automated design optimization of metal parts

optimate

30%
less downtime through AI prediction of supply chains

SIEMENS

Our Core Fields of Expertise

Production Automation

Through tailored solutions we help to automate manufacturing processes to increase efficiencies, reduce costs and improve overall productivity.

Product and Technology Innovation

Increasing competitiveness requires your products to be at the forefront of innovation and technology. We support in innovating your existing products or creating completely new solutions.

Business Process Optimization

We identify inefficiencies in your processes and fix them with customized software, data and AI. This way, we support you in optimizing your workflows and reducing costs.

User Experiences

With our proven UX approach we build software, HMIs and XR solutions that will be loved by your customers.
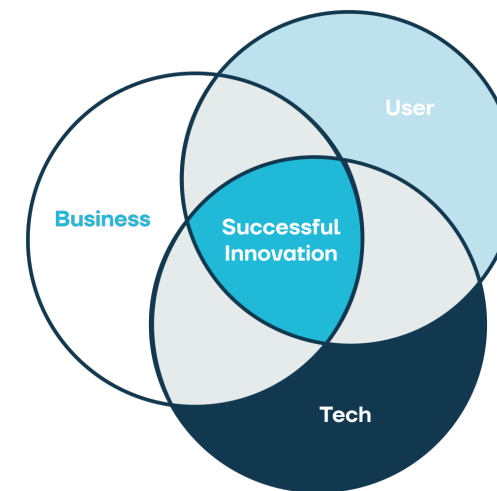
We Use a Holistically Approach

Talent Pool

Core Team

1 Strategy & Concepts

2 R&D and Early Innovation

3 Productive Solutions

4 Support & SLA

Business

User

Successful Innovation

Tech

Fluid & Modular
Expert Know How

120 engineers from all tech domains in the core team and an additional pool of over **800 internal tech experts**

End-to-End
Hands-on Experience

We work hands-on with clients from creating innovation concepts to developing **solutions that create measurable business value**
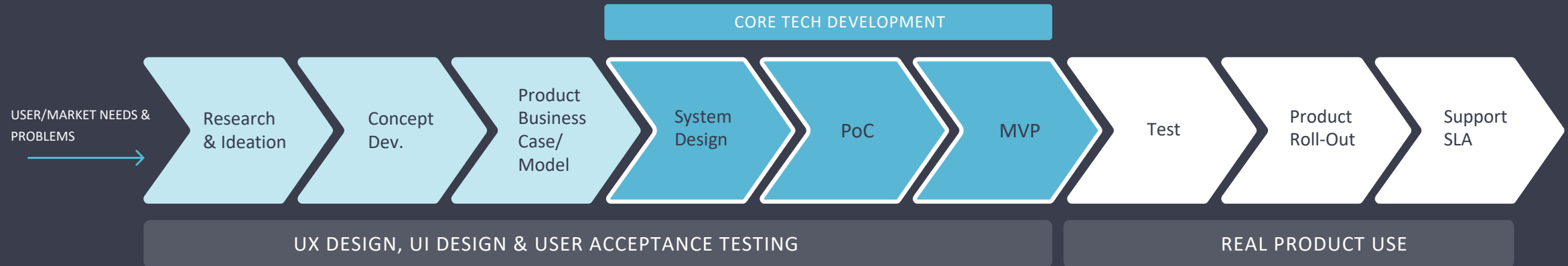
Holistic Innovation
Approach

In our projects we always combine aspects of **Business, Users and Technologies** for holistic results

Holistic new product development

Which methods do we use along the way?

MOTIUS
WE R&D.

CORE TECH DEVELOPMENT

USER/MARKET NEEDS & PROBLEMS

Research & Ideation → Concept Dev. → Product Business Case/ Model → System Design → PoC → MVP → Test → Product Roll-Out → Support SLA

UX DESIGN, UI DESIGN & USER ACCEPTANCE TESTING

REAL PRODUCT USE

Methods overview

Design Thinking

User Research

Business Model Development

Requirements Engineering, Tech Development → Agile

Design Thinking

User Testing

Business Model Calibration

Project Roles of Motius

Partner from technical concept creation to solution implementation

MOTIUS
WE R&D.

Consulting

- We combine technology, business and user expertise
- We fit concepts and solutions to client needs
- We focus on solutions creating return-on-invests

Development

- We include all technology expertise as one company
- We are vendor-agnostic while knowing all established tools
- We customize while preferring off-the-shelf parts

Orchestration

- We orchestrate a network of suppliers and tech providers
- We enable our clients' organizations for innovations
- We have expertise in in larger series, e.g. CE certifications

The Best Place for Techies

We firmly believe: for the best solutions you need outstanding people. A lot of our work therefore emphasizes the importance of hiring, keeping and developing talent. A recent study confirms our ambitions by ranking Motius as the #1 company with the smartest people in HW / SW & IT[1].

[1]CASE candidate select study 2022

Excerpt of Clients Base

We work with >100 major industry champions

MOBILITY & TRANSPORTATION

ENERGY & UTILITIES

ENGINEERING & IT

PROCESS INDUSTRY & HEALTHCARE

Exemplary **AI Expertise**

Automated Optimization of Product Designs for Production

- Concept and development of an AI-powered design optimization

- 50% less manufacturing costs of metal parts avoiding re-work & errors

- Led to new venture (spin-off) for AI-powered design optimization

AI-based Forecasting and Management of Demands

- Automation and visualization of energy supply forecasts

- Creation of a Machine Learning model which incorporated additional public data (e.g. weather)

- Improving grid stability across Europe

Industrial Deep Learning for Improving Maintenance Quality

- Camera based deep learning for maintenance of optical systems and industrial measurements

- From concept to development of HW, SW, UI and app

- Faster maintenance & better quality

Exemplary Data Mgmt Expertise

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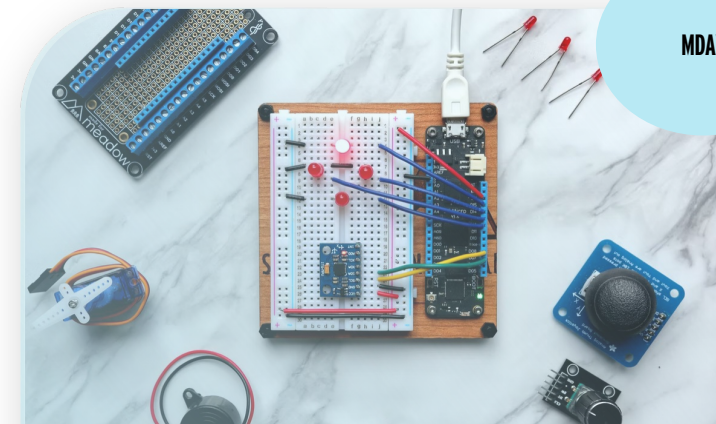## Automating corporate financing to speed up reporting

- Enrichment of financial KPIs and redesign of data infrastructure
- Saving weeks for reporting, hours for data corrections
- Increasing reliability of data while reducing operational costs

MDAX

Creating knowledge graphs to improve data collaboration

- Innovative management tool enabling cross-functional access to project knowledge in a new, intuitive way
- Creation of a graph database and interface to visualize complex queries despite the large amount of data

MDAX

Setting up a IoT platform to enable process tracking

- Development of a platform concept and architecture
- The platform enabled our client to collect, view, analyze and share data from tracking sensors and data
- New SaaS business model creation around the platform