We build AI Platforms

Your Contact

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Our Offering:

We help you define, design, develop and deliver your Data & AI Platform.
No matter at what point you are in implementing your AI platform. We can support right from the start when defining the desired platform and evaluating products and vendors through to the actual delivery and implementation of the platform. We also have great experience in setting up the AI platform operations with modern DevOps, DataOps and MLOps methodologies.

1. Define

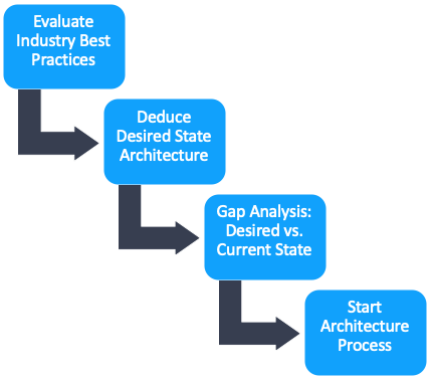
Define | Design | Develop | Deliver

Step 1: We help the customer to understand what is currently industry best practice and state of the art for AI platforms. Furthermore, we help to understand the relevant design paradigms.

Step 2: From Step 1 deduce what the desired architecture is for you the customer. Can you start on the green field or is there a complex IT ecosystem in place that needs to be taken into account?

Step 3: What are the main functional gaps that need to be covered between your current state system architecture and what has been defined in Step 2 as desired state?

Step 4: Dig into and define your architecture principles & constraints. Based on those evaluate and decide on an optimal architecture scenario.



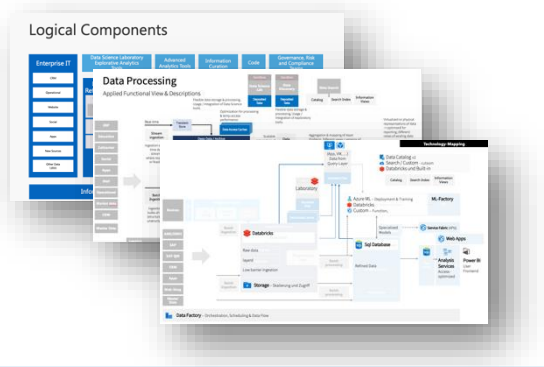
2. Design

Define | Design | Develop | Deliver

a. **Logical Component View:** What functions and data are orchestrated into logical components and how will different user-roles interact?

b. **Functional View:**
How do functional components work together and how does data flow through the components based on actual requirements?

c. **Technology Mapping:**
Mapping products and technologies to functional components.



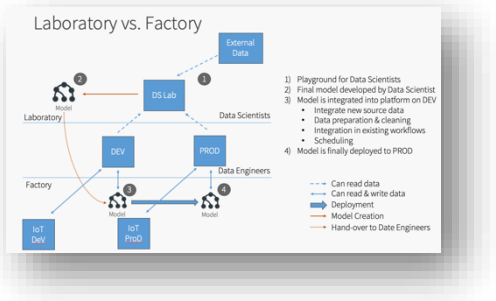
3. Develop

Define | Design | Develop | Deliver

a. **Build MVP:** Get a Minimum Viable Platform running to validate the first ML/AI Use-Cases on the Platform for both Laboratory (Develop, Train and Validate ML/AI Model) and Factory (Deploy, Execute and Monitor ML/AI Model)

b. **Expand on MVP** Include findings from first ML/AI use-case iteration and expand to full feature set. Ensure compliance of all pipelines and artefacts to DevOps/DataOps/MLOps requirements.

c. **End-2-End ML/AI Lifecycle Management**
Develop & train / Package model / Validate model behavior
Deploy model / Monitor model



4. Deliver

Define | Design | Develop | Deliver

Data & AI Platform Operations

Data & AI Platforms have intricate requirements with respect to Operations. Standard IT-Processes and SLAs cannot be applied across the board. The following three areas are key for operating a successful Data & AI Platform:

a. **DevOps**
- Fast development & iteration
- Continuous Integration/Delivery – CI/CD
- Source code management
- Minimize operations footprint

b. **DataOps**
- Pipeline monitoring & alerting
- Automated data and load consistency checks
- Real-time & Batch integration

c. **MLOps**
- Machine Learning / AI-Model Life Cycle
- Model performance & drift monitoring
- Business Process Integration
- Automated re-training of model

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