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## AWS Cloud.Sprint

### Building Smart Production Solutions on AWS

To compete on an international level, digitalised processes in manufacturing environments have become indispensable. With the help of AWS technologies, we develop highly integrated solutions so that all the information relevant to your manufacturing workflows is available at the production site, manufacturing processes are supported on site and the information is also integrated back into upstream systems such as MES or ERP systems.

## What we deliver

### Process workshop

As a first step, our experts from the Manufacturing and Supply Chain division can visit your production processes on site and discuss with you the various opportunities for digitalisation.

Based on this analysis, details of the solution can then be further narrowed down in follow-up workshops (remote or on-site). Here, the objective is to define a minimum viable product (MVP) – a software project that is as small as possible yet functional.

Once a minimum viable product has been identified, it can be created by our software developers and tested on site by the colleagues in production.

### Our approach: think big, start small

The MVP approach saves our customers from having to embark on large and expensive software projects. Our goal is to achieve quick wins in production and to follow these up with additional, more substantial improvements.

For us, an MVP is a small, autonomously executable piece of software that already offers initial added value and thereby demonstrates what the solution

can deliver. Unlike a proof of concept (PoC), we develop our MVPs so they can be extended at a later stage. This allows us to avoid wasting time during the development phase.

### AWS infrastructure

AWS provides the necessary environment for us to create excellent MVPs. Using container architectures, we can create and test small and cost-effective solutions very quickly. If successful, the solution can then be easily scaled and made available to a larger user group.

### Lean project delivery

The planning and implementation of smart products doesn't always immediately require entire development teams. We follow a lean approach to keep the coordination efforts as low as possible and to work as effectively as we can on your smart product. This approach has proven particularly successful for the MVP - the team can then be enlarged as needed (requirements managers, backend and frontend developers, data engineers, testers, ...).

## Requirements

We have the IT expertise and know our way around supply chain processes and lean production. You know your business, your processes and your people best. Together with your specialists we generate new ideas and devise new solutions to manage your processes faster, better and more efficiently.

**Contact:** Janice Mais (janice.mais@materna.group)