

# — Digital Factory



# DIGITAL FACTORY



## \_Advanced software solutions for the factory of the future

Our digital factory solutions support companies in the aerospace and automotive industries in optimizing, validating & monitoring manufacturing processes to ensure an efficient, timely and cost-effective customer delivery.



### Benefits

#### Holistic approach

Optimizes the performance of factory processes in their entirety (OEE, inventory, etc.).

#### Assured quality

Prevents production issues, product defects and customer dissatisfaction.

#### Full traceability

Tracks and archives production activities and/or changes in compliance with ISO 14721.

#### Improved asset safety

Provides central database of factory activities, technical and organizational losses.

#### Consistent reporting base

Eliminates threats, vulnerabilities and risks associated with key company assets.

The digitalization of manufacturing processes provides significant productivity gains and allows companies to produce highly customized products in better quality and at lower costs. Digital solutions are also key for dealing with innovative products which test the limits of conventional production.

Our digital factory solutions are tailored to your unique requirements, focusing on the exact features you need, making them work the exact way you want them to and fully integrating them into your processes. With more than 30 years of industry experience and a strong track record with market leading companies, we can support companies in key areas including:

- Product design, definition & planning;
- Production;
- Industrial IoT;
- Data analysis;
- Cyber security.

Our unique strength lies in integrating different technologies with a flexible building-block approach. Our solutions combine proven in-house assets with the best 3<sup>rd</sup> party components around, saving you time and money while building on a robust and reliable functional core.



## Key Features

### Streamlined processes & effective governance

Supports strategic target architecture design, roadmap definition & central meta data model development.

### Smart data & algorithms

Enables data-drive identification & elimination of inefficient practices and unresolved/undetected problems.

### Agile responses

Allows flexible adaptation of the production to schedule & product changes with minimum intervention.

### Cutting-edge technology

Supports factory processes with state-of-the-art in-house, cloud and IoT architectures & components.

### Cyber security

Implements effective safety measures to protect the integrity of IIoT and network device.

## Discover the TXT customer process.

**Process consulting & initial requirements gathering:** Our customer projects start with building an accurate picture of your business and your needs. We will partner with you to determine how to streamline your processes and where to best use digitalization to improve the targets you want achieve.

**Requirements analysis & planning:** We're experts at defining project objectives, scope and roadmap to ensure any development work is cost-effective and strategically sound, as evidenced by our track record of successfully completing large factory digitalization projects.

**Software architecture design:** We make an impartial assessment of the most suitable technological building-blocks for your digital factory solution, bearing in mind that your solution is only as good as its integration with your legacy systems. We offer in-house assets leveraging our experience in the manufacturing domain and our integration capability to minimize development time and cost.

**Development & testing:** We tailor-make your solution with a lean, Agile mindset and a high level of transparency, keeping you involved throughout. Any digital factory solution delivered to you has undergone our rigorous QA process to ensure it performs exactly to specifications or better!

**Deployment & integration:** We will be on site for a step-by-step deployment of your new solution, making sure it integrates seamlessly into your IT environment and your factory staff is fully proficient in using it.

**Maintenance & support:** If you have technical questions, we are only a phone call away! It's your solution, so you're not tied to anybody else's roadmap and have full control of when and how to grow and modify the system.

## TXT E-SOLUTIONS

is an international, specialized provider of engineering software solutions supporting customers in high-tech markets in their mission and business-critical core processes and throughout their product lifecycles.

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