



CEIT

**DIGITAL
REVOLUTION
IN LOGISTICS
AUTOMATION**



ESTABLISHED IN **1998**

MORE THAN **50** PATENTS, TRADEMARKS,
SUPPLEMENTARY PROTECTION CERTIFICATES,
UTILITY MODELS, DESIGNS

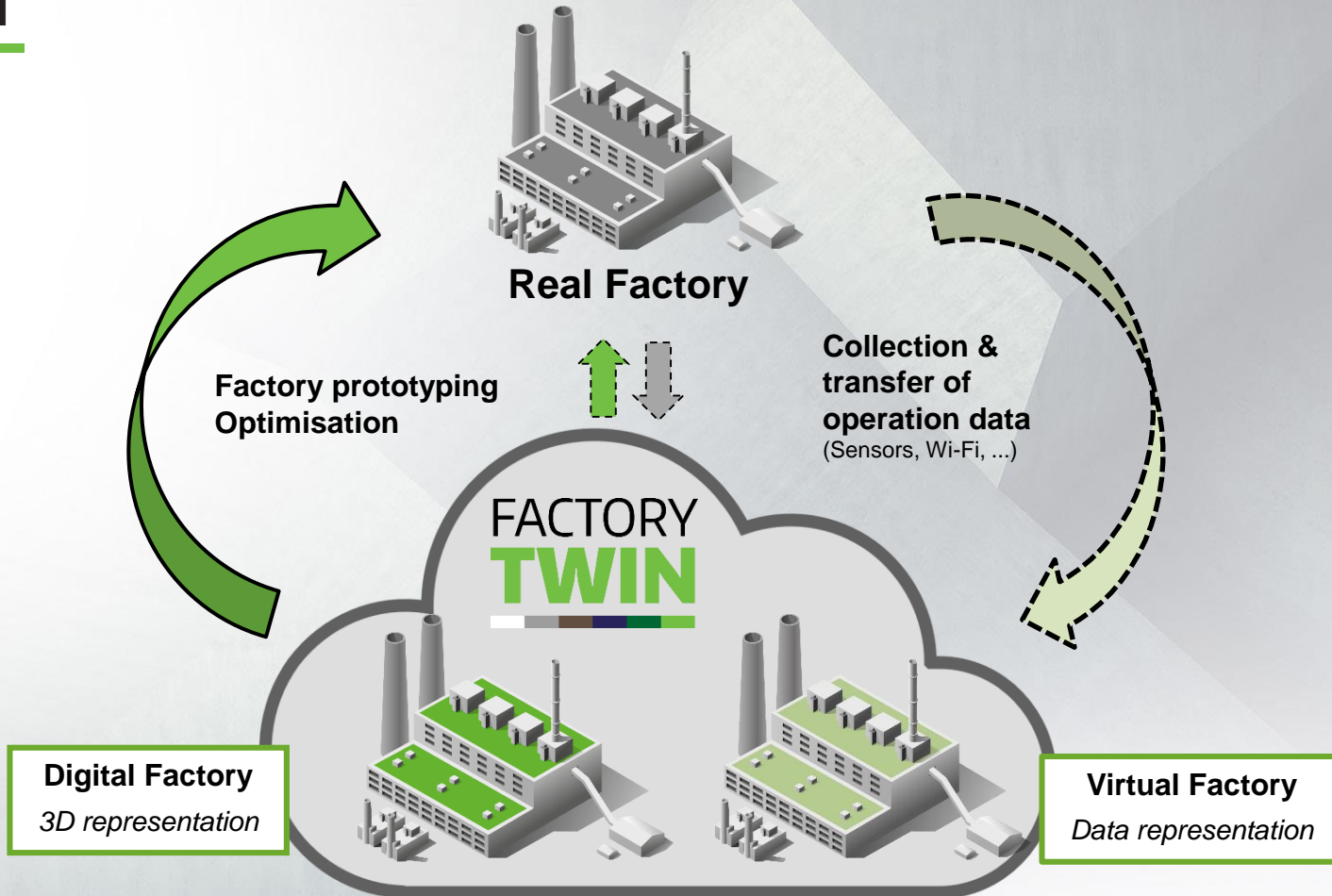
FOCUS ON:

AUTOMOTIVE INDUSTRY
ELECTRICAL INDUSTRY
ENGINEERING & CONSUMER GOODS

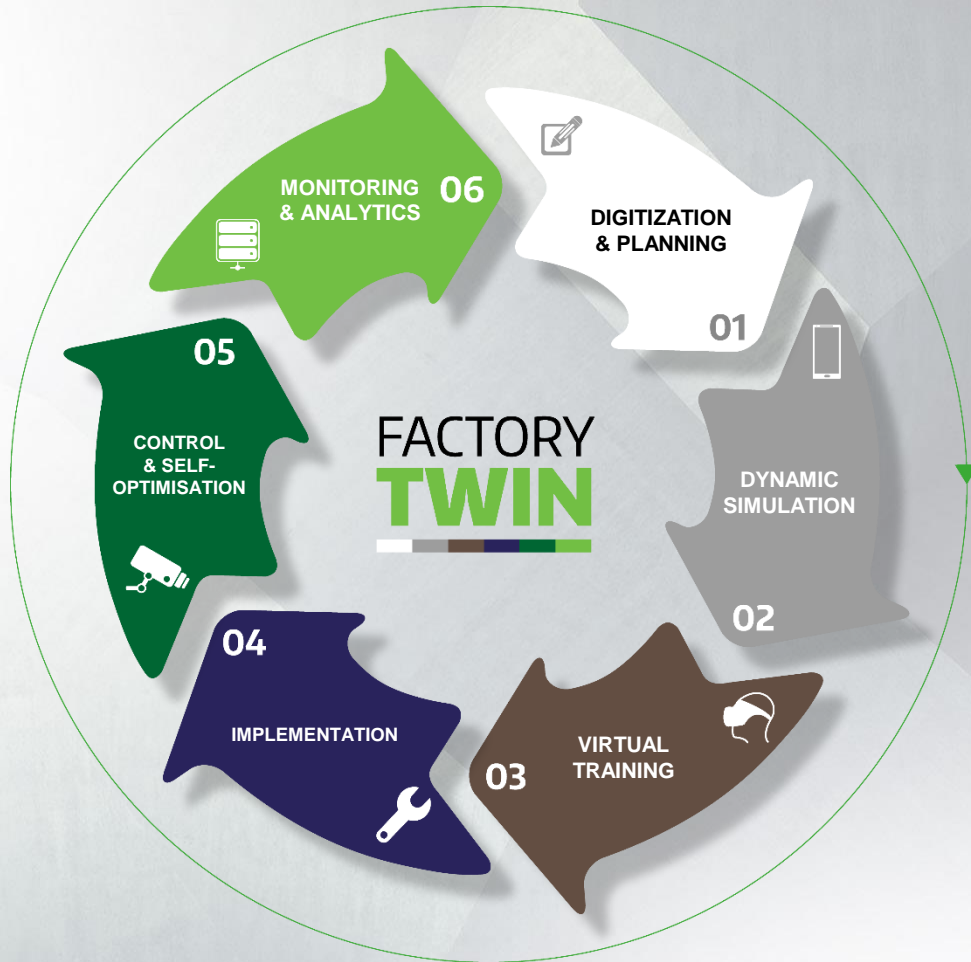
SUBSIDIARIES:

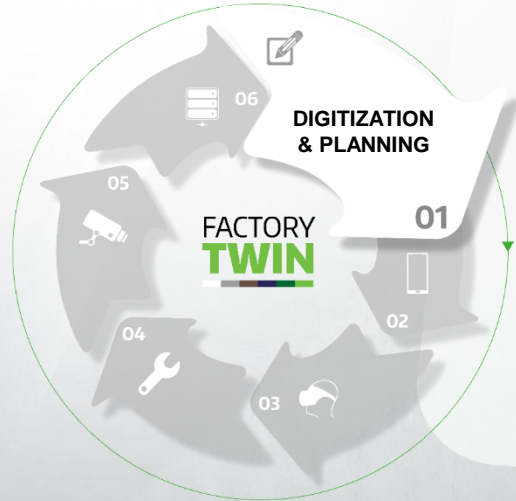
CZECH REPUBLIC AND POLAND

PRIVATELY HELD COMPANY

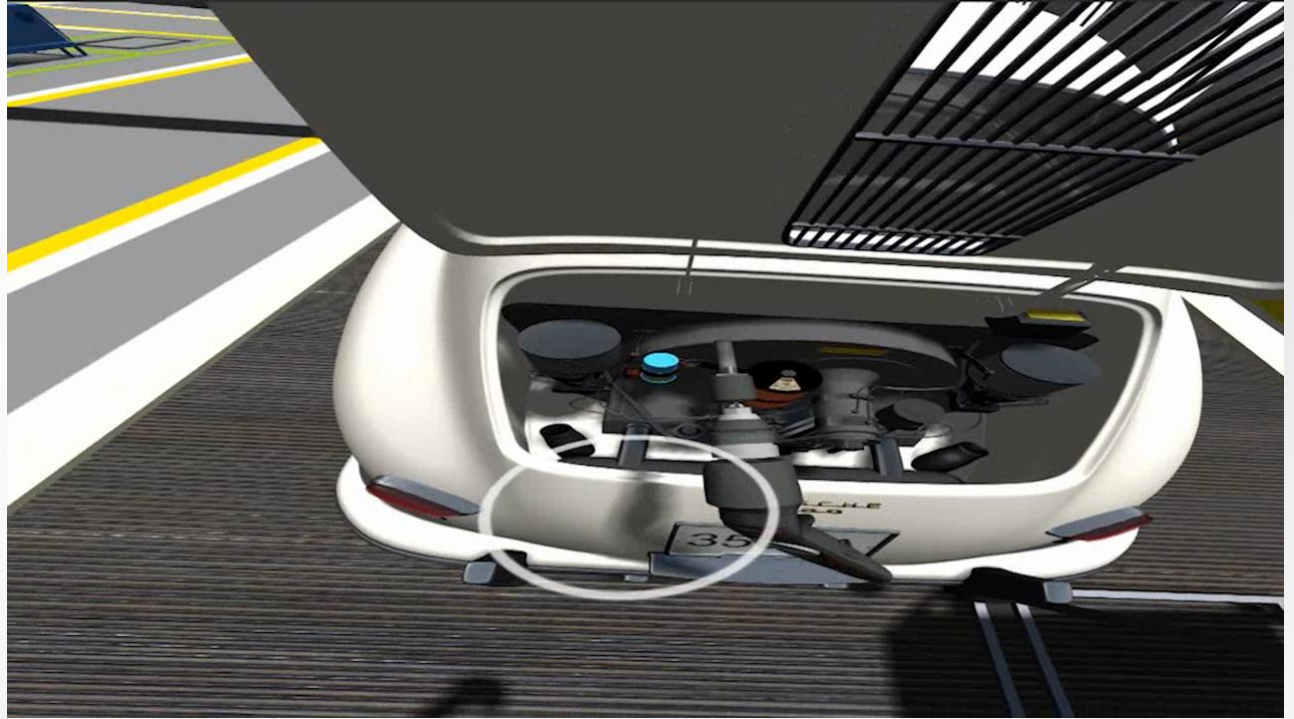


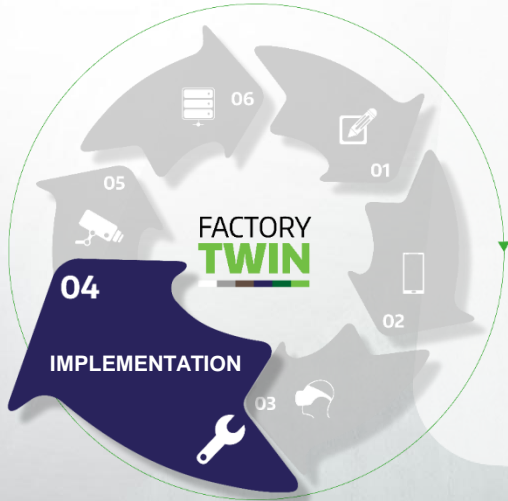
FROM IDEA
TO THE REALITY







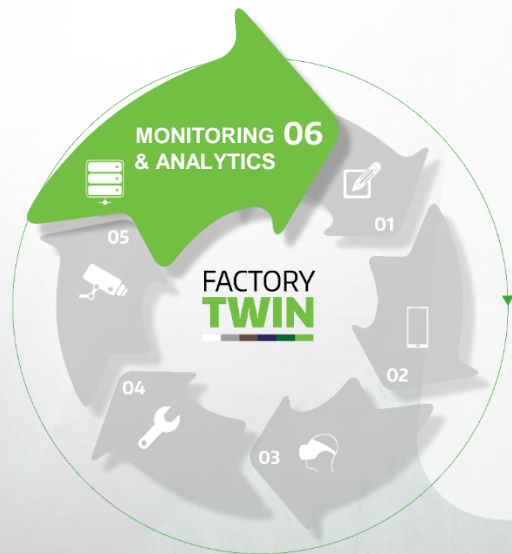






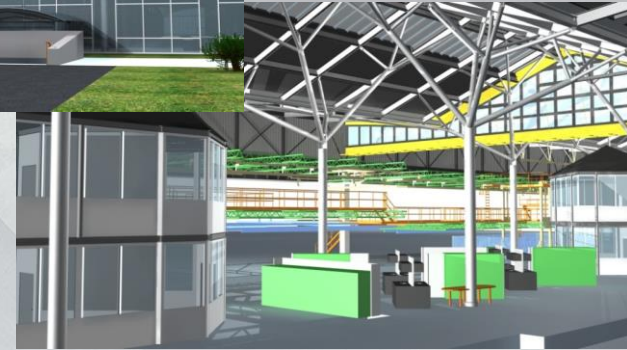
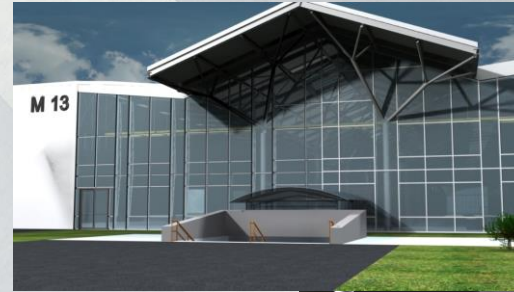
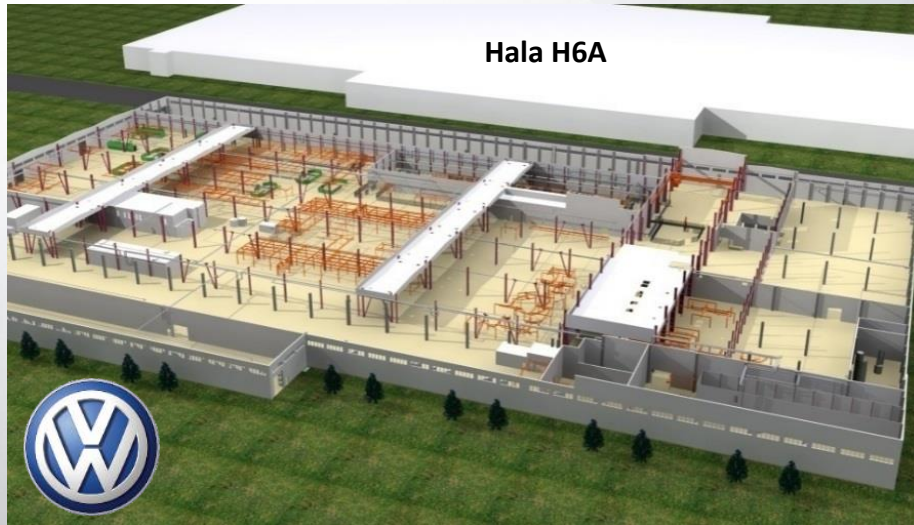
CEITruck AURORA MONITOR & CONTROL





3D SCANNING IS ESSENTIAL, IF

- missing high-quality drawing documentation,
- Drawing documentation is available in inappropriate software
- systems (such as Excel) that can not flexibly respond to changes,
- drawing documentation is not current,
- drawing documentation is not accurate,
- there are only 2D drawing documentation.



AREAS OF COOPERATION

- creation of digital models of real objects
- assessment of existing production layout and its 3D digitizing with the possibility of a virtual tour
- verification of deviations between reality and construction project
- 3D design of production systems Dynamic analysis in virtual reality environment
- implementation of the digital business model

State before



State after

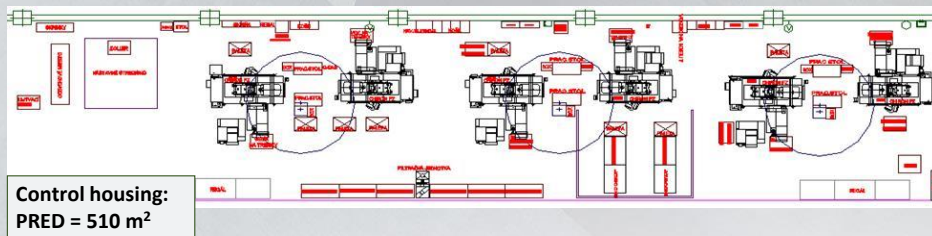


Project objectives:

- Consolidation of the site in to one strong plant – relocation of the plant from Dubnica to Považská Bystrica.
- Set up the best use of the production area, ensure lean operation and continuous improvement – the Danfoss Productivity Program.
- Creating a new logistic concept.
- Accelerating the development of people and organizations to maintain the right direction.

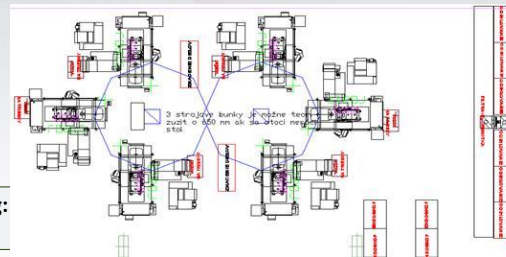
Benefits of cooperation with Danfoss Power Solutions, a.s.:

- Increase in the productivity of the current area in Považská Bystrica by **15%**.
- **Reducing** the design process for implementation itself.
- Set WIP inventory level using dynamic simulation
- **Capacitive dimensioning** of machines and equipment with respect to future demand development using dynamic simulation.
- Compliance with OSH and the quality of the set processes. .



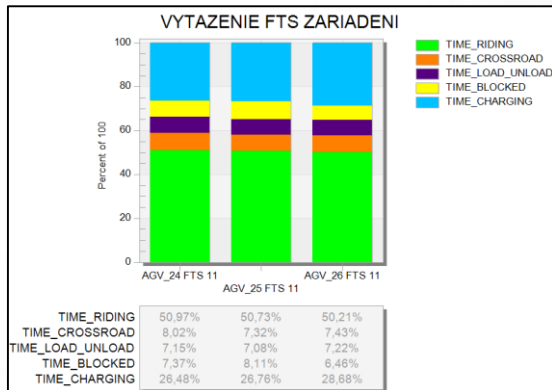
Control housing:
Úspora – 148 m²
Úspora – 29%

Control housing:
PO = 362 m²



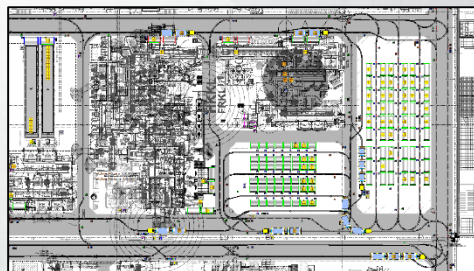
Project objectives:

- Dynamic verification of AGV system during the planning phase before the installation of the technology into the hall



Models.Frame.ZBER_STATISTIK_OKRUHI

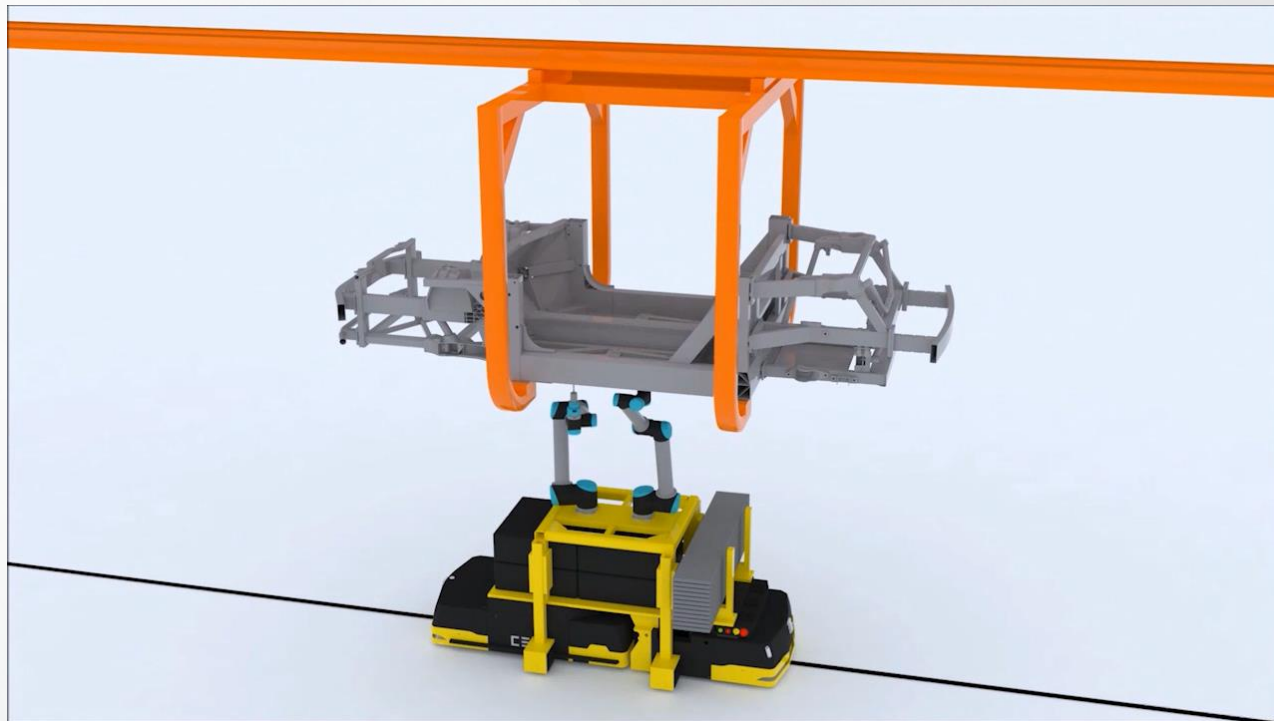
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270	FTS 8	14	299,98
271	FTS 8	15	301,85
272	FTS 8	16	299,98
273	FTS 8	17	301,85
274	FTS 8	18	299,98
275	FTS 8	19	337,39
276	FTS 8	20	299,98
277	FTS 8	21	301,85



Benefits of cooperation with VW Slovakia, a.s.

- Simulation of 42 AGV circuits - 88 AGV tractors + 300 peripherals
- Defining the number of AGV tractors on individual circuits and the ability to share tractors between different circuits
- Defining the logic of removal from storage
- Bottlenecks defining, optimizing the number of charging points

OUR VISION
SMART COLABORATIVE
MOBILE LOGISTICS



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