

Lean Sm@rt Factory based on Industry 4.0 principles

SEW-EURODRIVE shows the benefits of Industry 4.0



Vision becomes reality

Our showcase factory at our production and assembly plant in Graben-Neudorf shows just how much we've realized our vision of Industry 4.0. Applying the "one piece flow" and "small factory unit" value creation principles, this is where concepts for a range of different logistics, assembly and manufacturing operations are tested and developed continuously under real conditions.



We're with you all the way
to the Sm@rt Factory

Benefit from our wealth of experience. As well as product and system solutions, we offer advice on factory design and production automation. Our experts work with you to plan, configure and implement your process solutions. Take part in our seminars and training courses and put into practice your vision of Industry 4.0.



Potential that speaks for itself

Increase cost-effectiveness in production and assembly processes by 25%?

Totally possible – thanks to lean principles and intelligent Industry 4.0 features

Know today what will happen tomorrow?

Totally possible – with the DriveRadar® concept

Cut physical strain on employees by up to 30%?

Totally possible – thanks to intelligent cooperation between humans and technology

Cut investment costs in the Sm@rt Factory by 20%?

Totally possible – thanks to the modular process sequence and targeted material flow

Follow market and customer needs in short timeframes?

Totally possible – thanks to modular factory structure

INDUSTRY 4.0



Boost efficiency throughout the value creation chain by 30%?

Totally possible – with SEW-EURODRIVE's "Industry 4.0" Real Sm@rt Factory concept

Perfectly implemented lean principles and methods based on Industry 4.0 create the basis for networked, modular and efficient production in batch sizes of just one unit that meets customer needs. The key to success? The symbiosis of "people and technology" along the entire value creation chain – from configuration and production to assembly and delivery.

1 The **Sm@rt Factory** consists of modular, optimally designed process modules, networked using mobile assistance systems. Augmented by adaptable, scalable equipment, this creates the perfect symbiosis of people and technology.

2 **Mobile handling assistants** are highly versatile. In production for automated machine loading/unloading or in the assembly/joining process to reduce the burden on employees, enabled by HRC functionality.

3 **Mobile logistics assistants** navigate independently as a swarm and take care of delivery logistics. By adapting the working and transfer height, they can also be used as mobile assembly assistants.

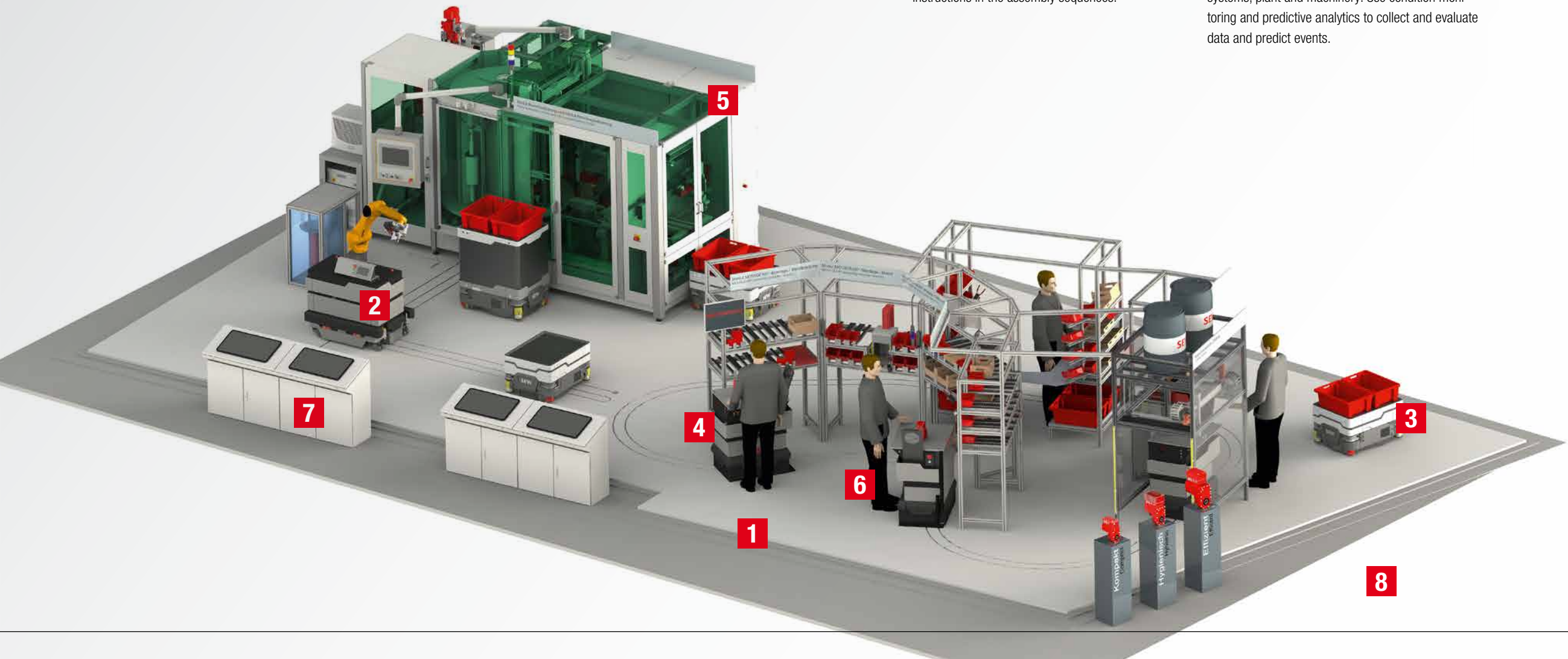
4 **Mobile assembly assistants** act as a mobile workbench and assist employees with interactive instructions in the assembly sequences.

5 **Machine automation**
Drive, control and safety technology, software and visualization from a single source from SEW-EURODRIVE. Here using the example of an assembly system for servo rotors.

6 **Augmented reality**
Employee control using Microsoft HoloLens, pick-by-light, tablet visualization provides help in the training phase and reduces potential for error particularly with high variation.

7 As **"directors of value creation"**, employees take charge of controlling, monitoring and optimizing processes. In the future they won't just be assistants to the system but the key architects who interconnect the various individual steps as required.

8 **Services** from SEW-EURODRIVE for products, systems, plant and machinery. Use condition monitoring and predictive analytics to collect and evaluate data and predict events.



Further information

on SEW-EURODRIVE's Sm@rt Factory and seminar program can be found here:



www.sew-eurodrive.de/en/smart-factory