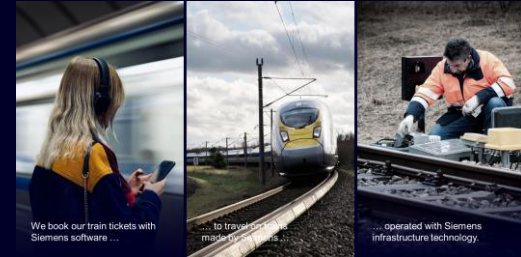
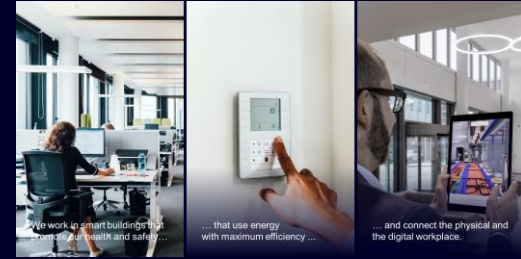
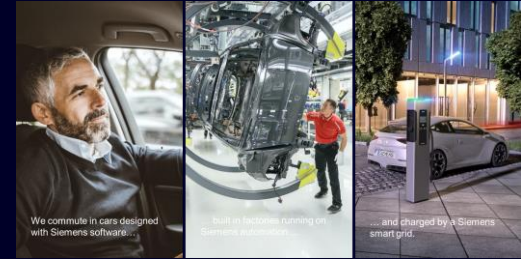


Siemens AG

Technology to Transform the Everyday

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Leave no waste behind in construction industry

Problem definition: *The construction industry has a highly resource (e.g. materials) and CO2 footprint. Reduction of waste and optimized re-use of waste are enabler to reduce sustainable footprints.*

Waste-Challenge: *What has to be done for minimizing waste and optimizing re-use and recycling? Data gathering and measurement, visualization and modeling to get the value chain transparent, the waste management predictive and optimized sorted towards a highly automated waste management plan per building/city.*

Desired Impact: Sustainability: *Reduction of waste and CO2 emission based on re-use. Resilience of supply chain based on re-use of materials.*

Skills needed/recommended:

Understanding of waste management for construction industry due to pains, challenges and solutions. Technical capabilities for improvements of selected process steps based on digitalization. Ideas how to create a Mindmap of most important parameters and show first dependencies.

Relevant considerations for the challenge/theme:

Check today's waste management due to challenges/pains/room for improvements. What are the most important parameters and functions to get transparency and prediction for optimized re-use and recycling.