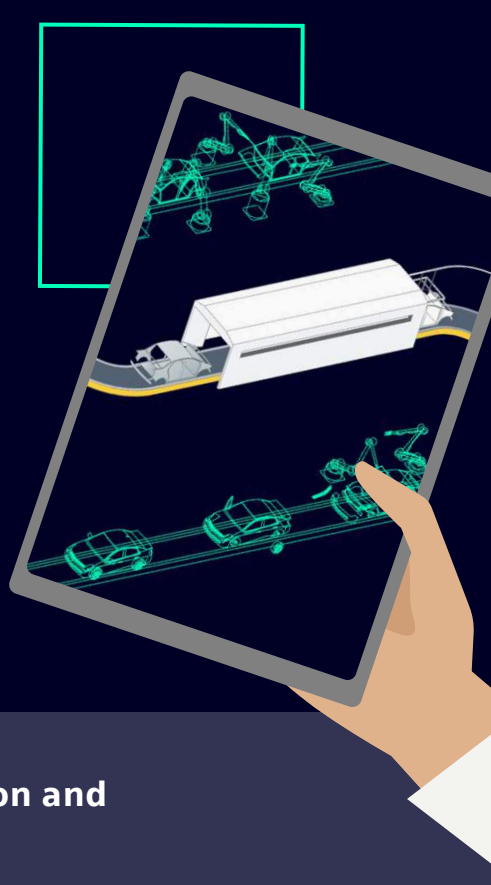
SIEMENS

DIGITAL INDUSTRIES SOFTWARE

Smart Manufacturing with manufacturing planning and validation support

Launch new products and processes flawlessly and scale up quickly with a digital twin for production



What is the key to staying ahead of the competition and effectively addressing the industry challenges?

Manufacturers who enable their plants to launch flawlessly and ramp up quickly **will own the future of automotive**

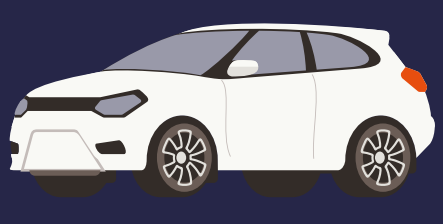
- Environmental Impact
- Accelerated Growth
- Regulations
- Market Saturation
- Sustainability

How can you realize high quality, efficient and compliant electric vehicle production?

Leaders in the automotive industry **embrace digitalization to win**

A digital approach to manufacturing with (re)use of Production Digital Twins to plan, simulate, and execute production producing high quality electric vehicles

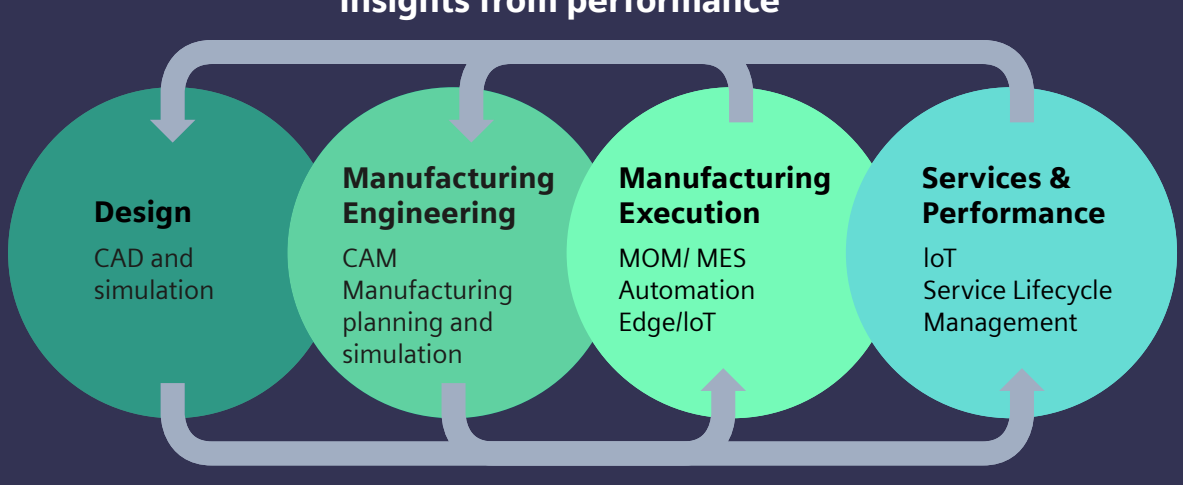
- **Comprehensive Digital Twin**
- **Personalized Adaptable/ Modern**
- **Flexible Open Ecosystem**





Why is it important to connect electric vehicle design, manufacturing and operations through a digital thread?

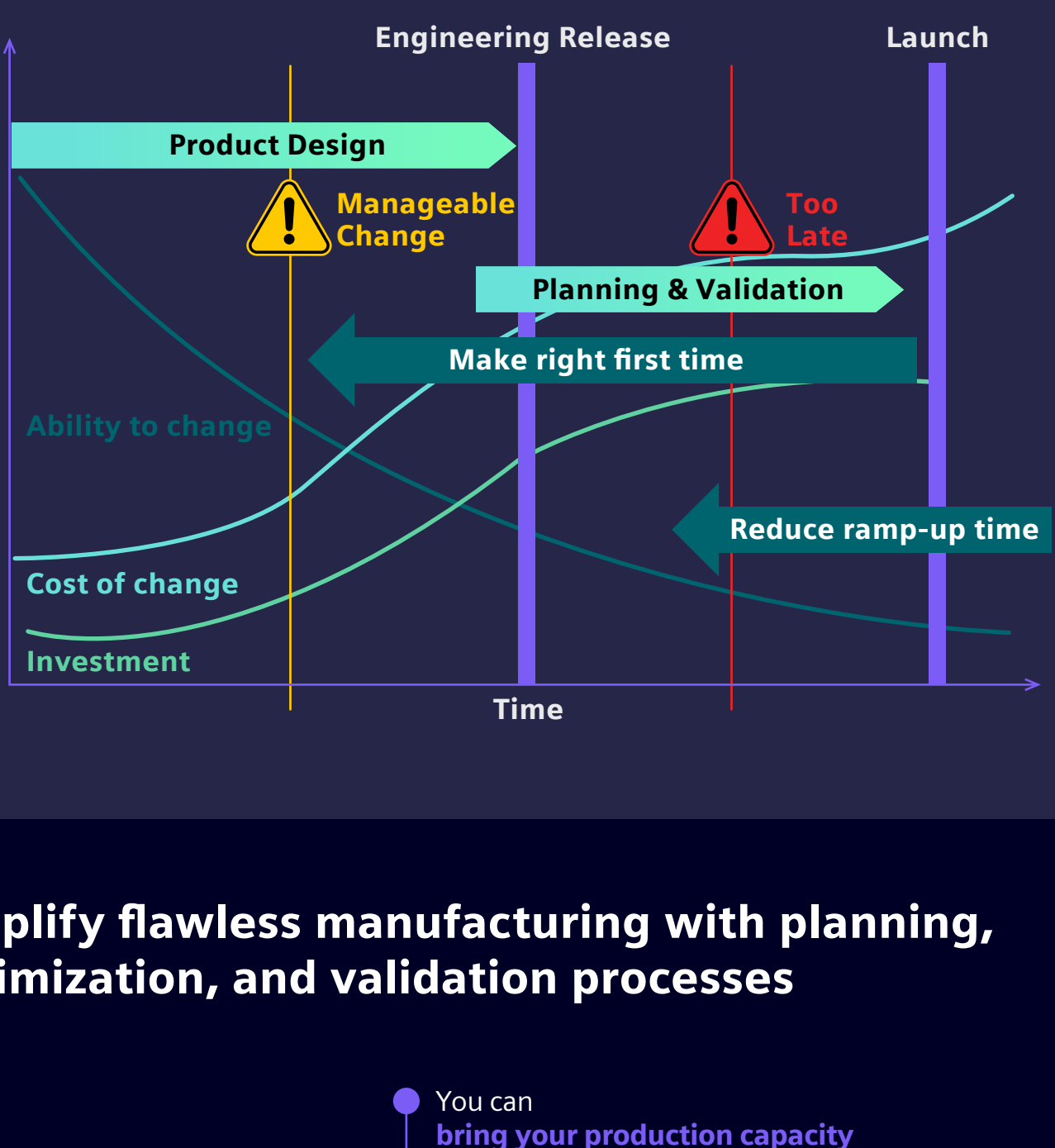
Modern manufacturing planning virtually connects stakeholders, data and processes across domains to **avoid costly mistakes and maximize efficiencies in planning and validation**



A comprehensive digital twin drives virtual validation of manufacturing at the work cell, line and plant level before moving to physical production

When is the best time to plan and validate electric vehicle manufacturing processes?

Manufacturing planning and support validation activities should occur **as early as possible to lower cost of change**



Simplify flawless manufacturing with planning, optimization, and validation processes

You can **bring your production capacity to its highest level and adapt operations according to market needs**

You can **better plan new production lines and react quickly to changes**

© 2023 Siemens. A list of relevant Siemens trademarks can be found **here.**
Other trademarks belong to their respective owners.

For more information, visit: siemens.com/ve