UNSER WEG ZUR FABRIK DER ZUKUNFT – LEAN, GREEN, DIGITAL

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AUFTAKTVERANSTALTUNG LERNREISE, HOMBURG, 15.09.2021



INDUSTRY 4.0 AT BOSCH
CONNECTING THE ENTIRE
VALUE STREAM
"lean + i4.0"





INDUSTRY 4.0 AT BOSCH DUAL STRATEGY AND ACHIEVEMENTS



Sensors



Drives & Controls



Software & Data Analytics



•••••



Machinery & Robotics



Logistics



Services





Leading User

240+ Bosch Plants 700+ warehouses worldwide





By 2020

EUR ~1bn

extra savings



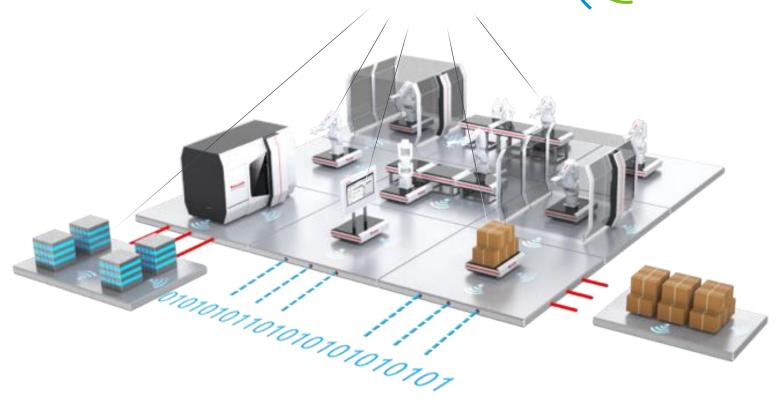
10 YEARS INDUSTRY 4.0 AT BOSCH

Startschuss "Industrie 4.0"		Aus Industrie 4.0 wird "Technik fürs Leben"		Projektstart "Connected Industry": 2 x 1 Mrd.€		Bosch eigene Cloud für IoT Services		Gründung Geschäftseinheit für i4.0-Software		Erstes 5G- Campusnetz in Betrieb		
2011	2012	2013	2014	2015	2016	2016	2017	2018	2019	2020	2021	
	Bosch Vorsitz "Arbeitskreis Industrie 4.0"		1. kollaborativer Roboter APAS von Bosch		i4.0-retrofit-Kit für "Altmaschinen"		Arbeitsplatz 4.0: Team Mensch- Maschine		Fachkraft I4.0 & Smartphone für die Fertigung		1. AloT-Fabrik in Dresden und 4 Mrd. € mit i4.0	



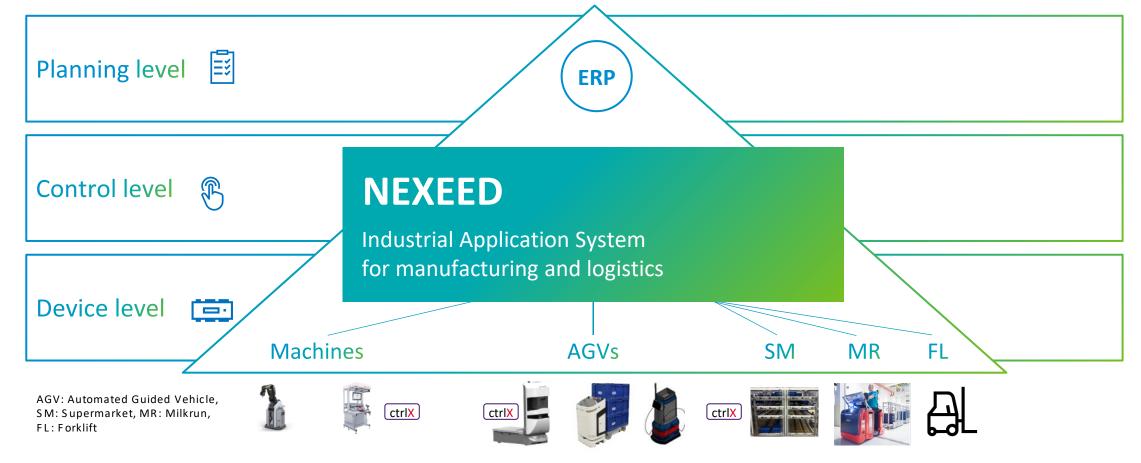
BOSCH FACTORY OF THE FUTURE

HW, SW and Services for the Factory of the Future





HOLISTIC OFFERING FOR THE FACTORY OF THE FUTURE





FACTORY OF THE FUTURE:

ULM EXPERIENCE CENTER "INFINITY HUB"

Factory of the Future

Now

Next

Beyond





BOSCH

TRANSITION TO A LEADING IOT COMPANY



Connected Mobility



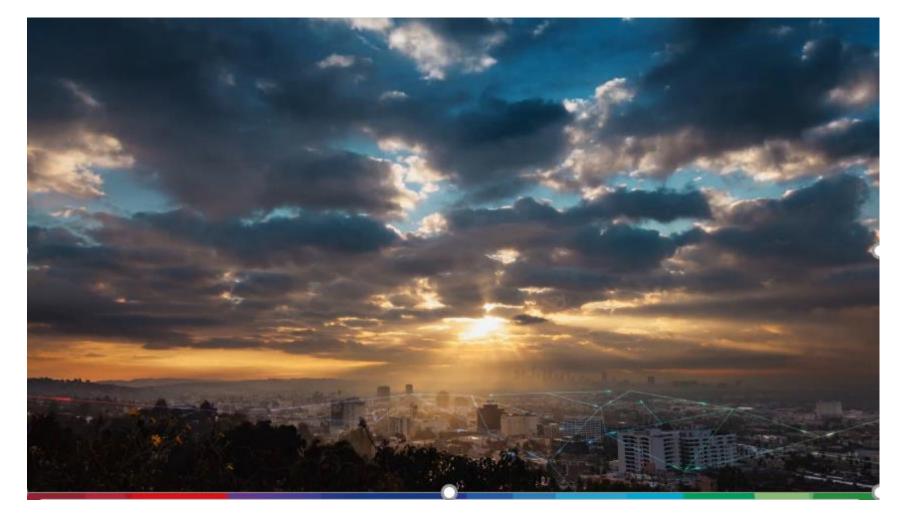
Connected Industry



Connected Home



Bosch IoT-Video







BOSCH ARTIFICIAL INTELLICENCE (AI)



Bosch CEO Dr. Volkmar Denner

By the middle of the next decade,

100 percent of Bosch products

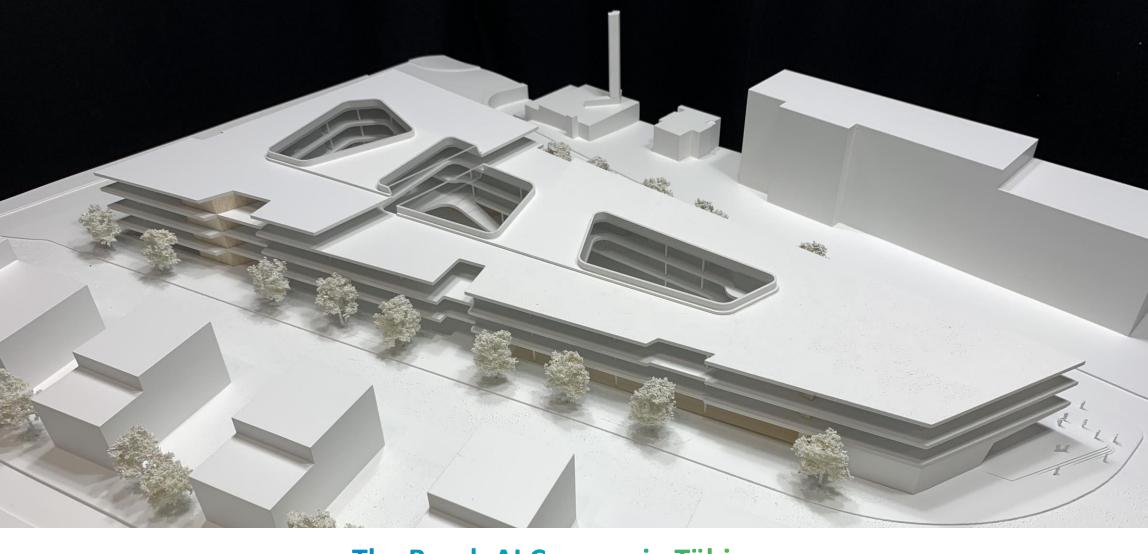
will be equipped with AI,

or AI will have played a part

in their development

and manufacture.





The Bosch AI Campus in Tübingen
Part of the Cyber Valley, ready in 2022, 100 Mio EUR invest



Inauguration of the new 300mm semiconductor plant in Dresden in June 2021 - the first AloT-plant of Bosch



CLIMATE ACTION HOW TO BECOME CARBON NEUTRAL?

2018 3.3m metric tons CO_2 2020 Increase energy efficiency Use new clean power Buy in green Zero Offset CO₂ electricity CO_2 emissions

2020 start of new unit: Bosch Climate Solutions to support customers to reduce their CO₂ footprint



CO₂-Neutralstellung Maßnahmen zur Steigerung der Energieeffizienz bis 2030

