

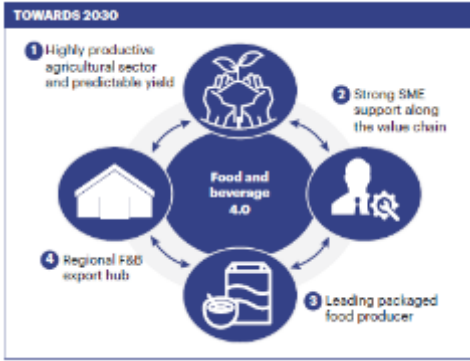
# Digitalization

Driving The Best of Industry 4.0

# Reviving Indonesia's Manufacturing Sector: Making Indonesia 4.0

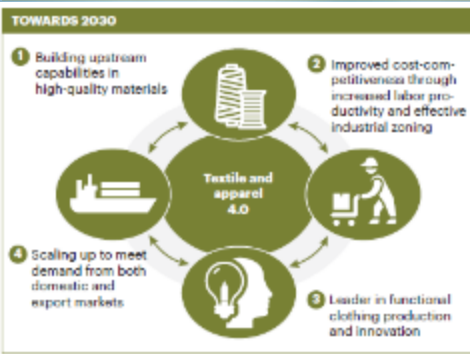


## F&B: Founding an ASEAN F&B Powerhouse

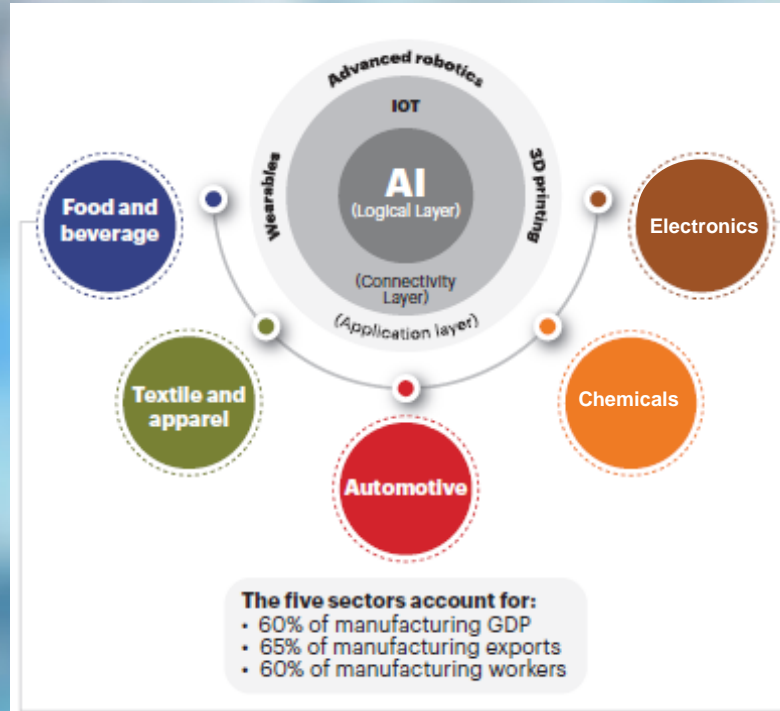


- Contributes  $\pm 30\%$  to the Manufacturing Sector GDP & 24% of Manufacturing Export, also adsorbs 33% of Labor in Manufacturing Sector
- Huge growth potential supported by abundant agricultural resources & large demand from the country's population

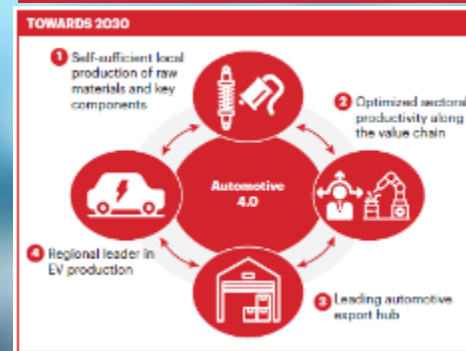
## Textile & Apparel: Becoming a leading "functional" producer



- Contributes  $\pm 7\%$  to the Manufacturing Sector GDP & 15% of Manufacturing Export, also adsorbs 20% of Labor in Manufacturing Sector
- This sector is the second largest contributor to Indonesia's export commodity



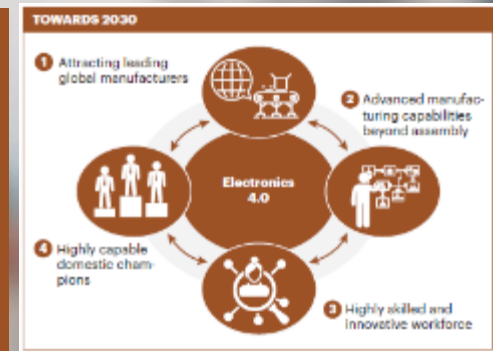
## Automotive: Establishing export leadership in ICE & EV



- Supported by huge domestic market demand
- Indonesia is currently the second largest car exporter in ASEAN and will focus on the electric vehicles in near future

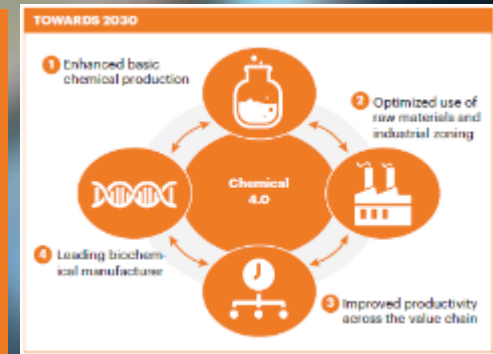
## Electronics: Nurturing highly capable domestic champion

- This sector is still developing and depends heavily on component imports and local production from global players.
- Local production is still concentrated in simple assembly and has not been much involved in value-added processes.



## Chemicals: Developing leading biochemical manufacturers

- A fundamental sector due to its role as the base of other Manufacture Industries
- To become a net exporter and producer of specialist chemicals by using agricultural resources to build a competitive advantage in the production of biochemical products.





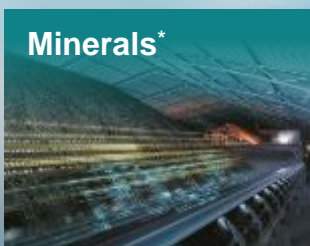
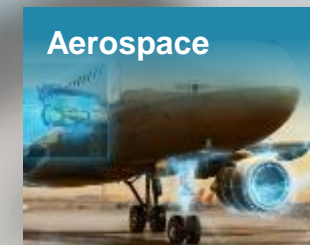
# End-to-end domain know-how results in unique customer benefits



Process Industries

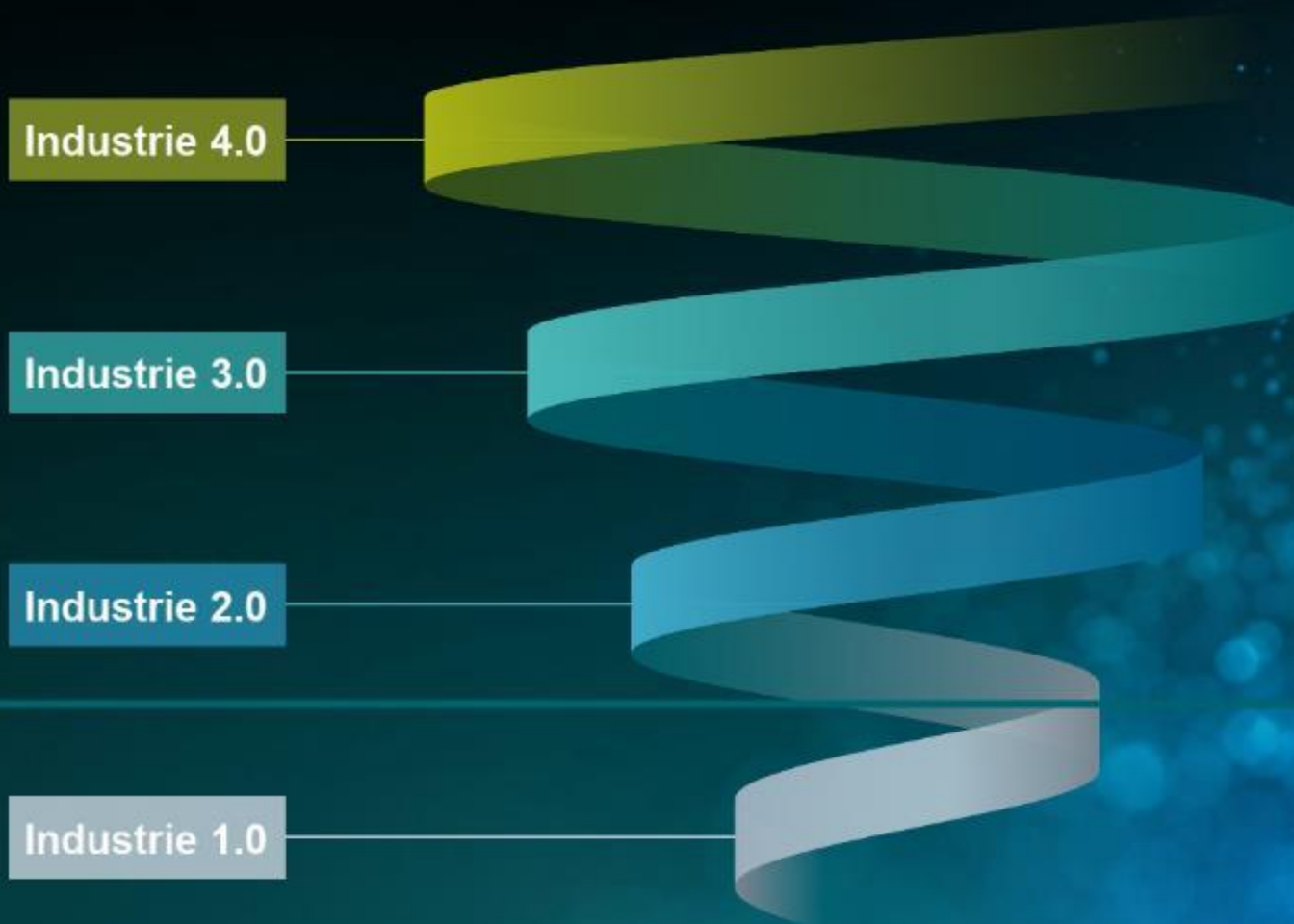
Hybrid Industries

Discrete Industries



# Siemens shapes Industrial Revolutions

Since its Founding in 1847



Digitalization –  
Cyberphysical systems



Electronics and IT –  
Automation of  
manufacturing



Electricity – Introduction  
of assembly line



Founding of Siemens

Steam power – Shift from  
manual to mechanical  
production

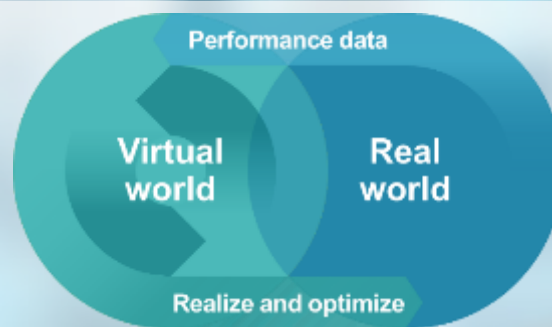


Digital Enterprise offering integrates virtual and real worlds  
for unique competitive advantage of our customers



## Digital Enterprise

Digital end-to-end solutions for industry



MindSphere

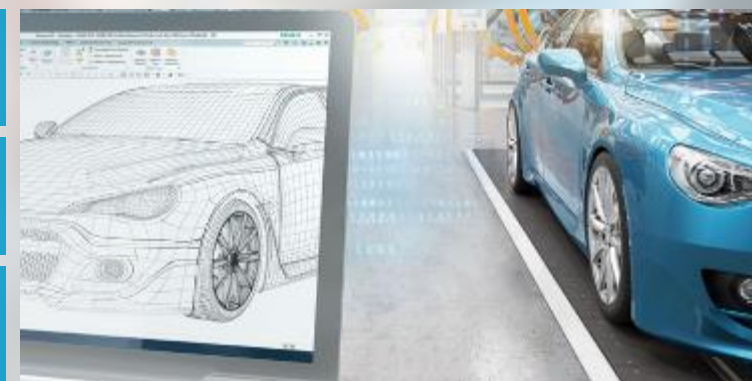
Automation and industrial software for process and discrete industries



Industrial communication

Industrial security

Industrial services



# Digital Enterprise

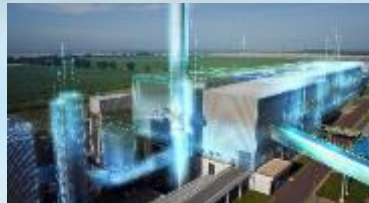
## Thinking industry further!



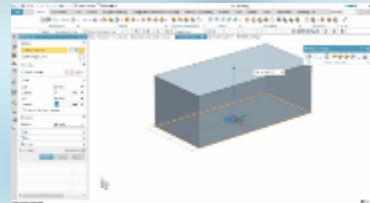
Autonomous  
production/handling  
systems: AGV



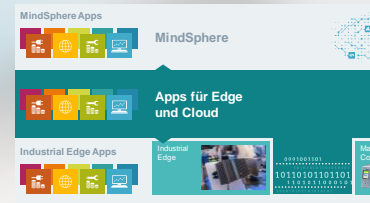
SIMATIC PCS neo  
Web-based process  
control innovation



PlantSight  
Cloud Services



NX Software  
with Artificial  
Intelligence



Siemens Industrial  
Edge



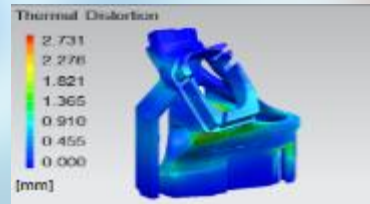
Industrial  
communication with  
Industrial 5G



Cloud-based  
services, e.g. TIA  
Portal in the cloud



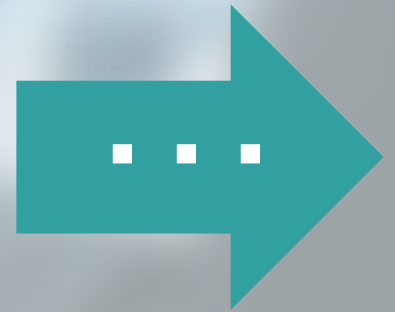
Transparent  
supply chain with  
Blockchain



Consistent end-  
to-end solution for  
Additive  
Manufacturing



Cybersecurity  
monitoring  
with Edge and AI





Let's start  
your  
digital journey  
together!