Reviving Indonesia’s Manufacturing Sector: Making Indonesia 4.0

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

- Contributes ±30% to the Manufacturing Sector GDP & 24% of Manufacturing Export, also absorbs 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 ±7% to the Manufacturing Sector GDP & 15% of Manufacturing Export, also absorbs 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.

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

Process Industries

- Chemicals
- Water and Wastewater
- Oil and Gas

Hybrid Industries

- Marine
- Minerals
- Power and Utilities
- Fiber

Discrete Industries

- Glass
- Pharmaceuticals
- Batteries
- Wind
- Additive Manufacturing
- Cranes
- Robotics

- Food and Beverage
- Electronics
- Aerospace
- Machine Building
- Intralogistics

* Verticals are addressed in close collaboration with other units of Siemens AG
Siemens shapes Industrial Revolutions
Since its Founding in 1847

- Industrie 4.0
- Industrie 3.0
- Industrie 2.0
- Industrie 1.0

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

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Let’s start your digital journey together!