

ASEAN Smart Factory Summit 2020—

Auto parts Manufacturing industry

Aug. 20(Thursday) -21(Friday) | Chonburi , Thailand

Organizer



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Background

Smart factories has become a hot topic in Thailand, with manufacturers realizing the importance of technology to enhance efficiency, safety, and overall competitiveness.

In recent years, Thailand has established itself as an important manufacturing hub in the ASEAN region, garnering a reported US\$136 billion in 2018 and the export industry contributing to more than 65 percent of the country's GDP. This holds particularly true for the automotive industry where Thailand holds the lion share in the ASEAN market (49%). However, with rapid technology development and the rise of the Industrial Internet of Things, the country has been struggling to keep up with the necessary technological adoption for Industry 4.0.

Therefore, along with billion-dollar investments in infrastructure development, the government has made **digitalization** in this segment a priority in its Thailand 4.0 scheme. **Aiming to help local manufacturers upgrade their business on the road to Industry 4.0, the government has authorized over \$6 billion for robotics and logistics upgrades, along with incentives to encourage firms to upgrade their technology and equipment.**

Thailand manufacturers have the potential to provide substantial and long-term economic benefits by taking advantage of this global transformation. **The future of Thailand 's manufacturing industry lies in embracing smarter technologies and upgrading business operations.**

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Thailand 4.0 Policy for Automotive Industry

The Thailand 4.0 policy has highlighted opportunities and investment trends in 10 targeted industries, divided into two broad categories.

Category / Phrase	Automotive -Related	Content
First 5 S-Curve industries	Next-Generation Automotive	<p>1)Thailand places great importance on the production of electric vehicles (EV). This aim will first take place by operating as an OEM of battery and driving systems industries, thus expanding the value chain of the automotive industry with particular focus on surface integration design and prototyping.</p> <p>2)Further plans for expansion call for increasing efficiency of catalytic manufacturing processes, and large-scale enhancements of electronic accessories and automotive parts production which are created in line with global standards, <i>e.g. the production of safety components, transmission system parts, vehicle engines larger than 248 cc, and many various engine components.</i></p>
5 New S-Curve industries (From 2018)	Digital / Robotics and Automation	<p>3)Thailand's digital industry will focus on IoT and Artificial Intelligence which could give opportunities for foreign investors in developing IoT solutions for different industries within the country. Currently, Thailand's IoT expenditures focus mainly on the manufacturing and logistics industries.</p> <p>4)Demand for robotics and automation in the industrial and manufacturing industries is on a rise as well. The lower operating costs through automation and increasing productivity are driving the demand for robots and automation systems within the country.</p> <p>Over the past few years, manufacturers are investing heavily in machinery and systems to stay competitive in the global digitalized manufacturing landscape and to meet the growing export demand in automobile. 50% of manufacturers in Thailand are considering adopting automation systems within the next 1-3 years.</p>

Source: Asia IoT Business Platform Thailand

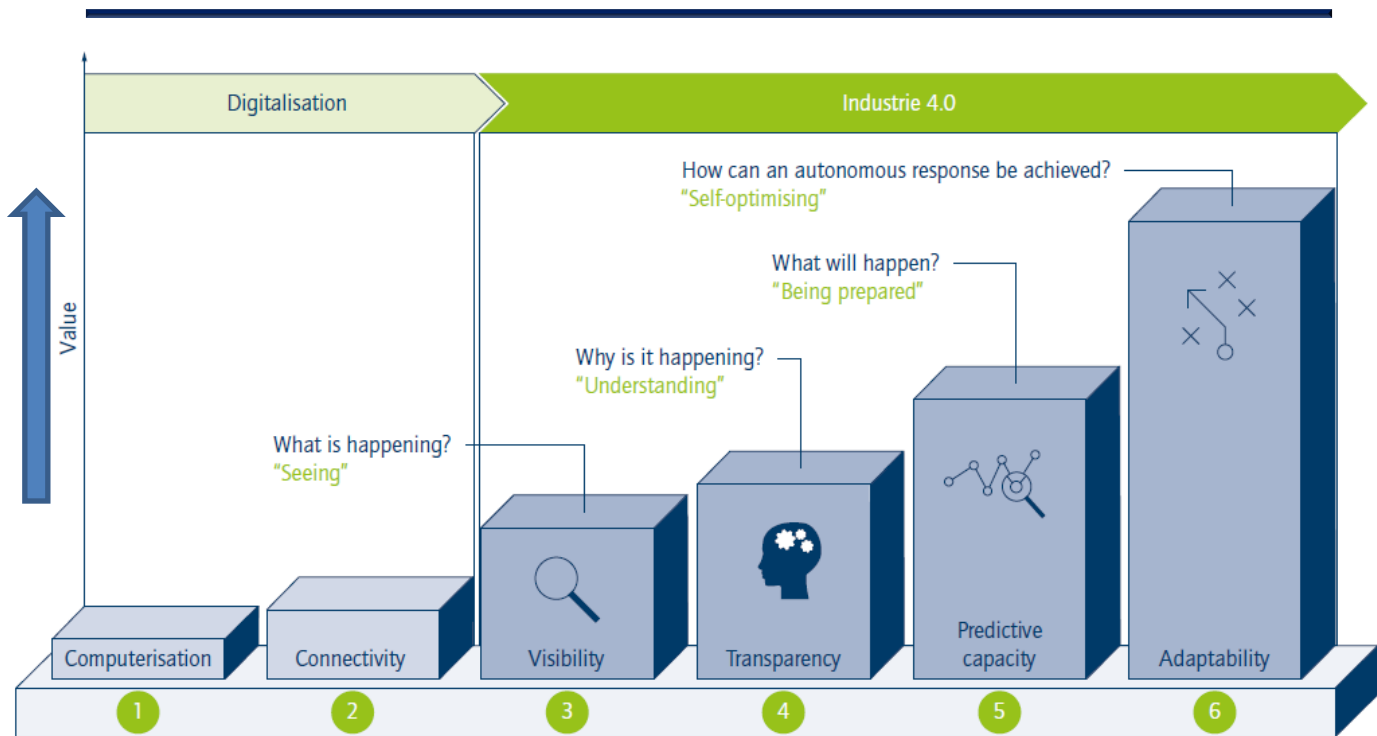
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Key to Success with Industry 4.0

Towards the cornerstone of smart manufacturing - digital production



Source: Industrial Technology Research Institute (ITRI)

How to improve manufacturing responsiveness, quality and efficiency?

- Leverage **digital technologies** to improve physical operations.
- Leverage **IIoT technologies** to optimize end-to-end operations.

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Highlight

Enabling Smart, Safe and Connected Factories for Industry 4.0

Smart Manufacturing

1. Assessing the digital plant maturity – Challenges and Opportunities.
2. “Thinking Digital” to “Doing Digital” – Tackling the transition from tryout to Implementation.
3. Connected automation for faster production, reduced downtime & greater efficiency.
4. Transforming the factory by maximising your assets - higher production & enormous cost savings.
5. Future proof your business with visibility into goods, assets, people & transactions.
6. Optimise processes, reduce mistakes, shorten training times & maximise Efficiency.
7. Transform the most valuable resource in the factory with augmented reality.
8. Sustainability & Supply Chain Resilience - Connecting factories to their Local Communities.
9. Automotive Industry Solutions: Case Study on Additive Manufacturing, Laser Cutting, and CNC.

Future Factory

1. Taking advantage of your data to increase operational efficiency.
2. Data as a new asset in manufacturing - predict future events, foresee risk, understand the value chain
3. Edge analytics for Industrial IoT - turning streaming Ddta into value
4. Digital Twins - analyse how something is operating & How it an be modified to improve performance.
5. Managing risk in an age of connected production - An Integrated Approach to Cybersecurity.
6. Revolutionise supply & logistics - Get the Right Level of Performance & Intelligence Where you Need it
7. Circular economy and the sustainable factory of tomorrow.



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Reasons Why You Should Attend

Designed for industrial zone factory owners/management/decision makers in auto parts manufacturing and system integrators, the smart factory event will cover important topics for factories moving forward into Industry 4.0 such as factory digitalization, security for modern industrial facilities, etc.

AUDIENCE PROFILE

- Auto Parts Manufacturing / OEM Enterprises
- System Integrator / Software Development Provider
- Mold Manufacturing
- Gear manufacturer
- Association & Government Representative
- Distributor and Logistics

Core Location- Chonburi

“TVET Automotive Hub” in Chonburi province was established in 2017 to produce “Technicians 4.0” in response to policies aimed at promoting Thailand’s automotive industry, improving workforce skills, closing gaps among workers, and supporting the development of the nation’s Eastern Economic Corridor (EEC) Project.

•Face-To-Face Communication With Your Peers:

Meet industry experts, fellow **manufacturers, suppliers, regulators, distributors, academe as well as R&D researchers** from automotive and supporting industries like machining, metrology, cutting tools, automation, system integrator, mold and die etc. Learn about regional needs and future manufacturing trends.

•Be Updated About The Latest Market Trends And Prospects:

Get ideas, gain insights and learn best practices in processing and design in the auto parts manufacturing and automation industries.

•Learn From The Industry Experts:

Discover new products, services and solutions for your business to generate higher profitability.

•Visit Exhibitors' Booths:

Attend one-to-one meetings with potential partners not only from Thailand but across the region.

•Meet New Suppliers and Agents:

Build your business network at a relaxing and friendly atmosphere.

•Build Your Business Network:

With focus on Digitalisation, Intelligent Automation, Testing & Measuring Equipment ROI and training.

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About Organizer

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