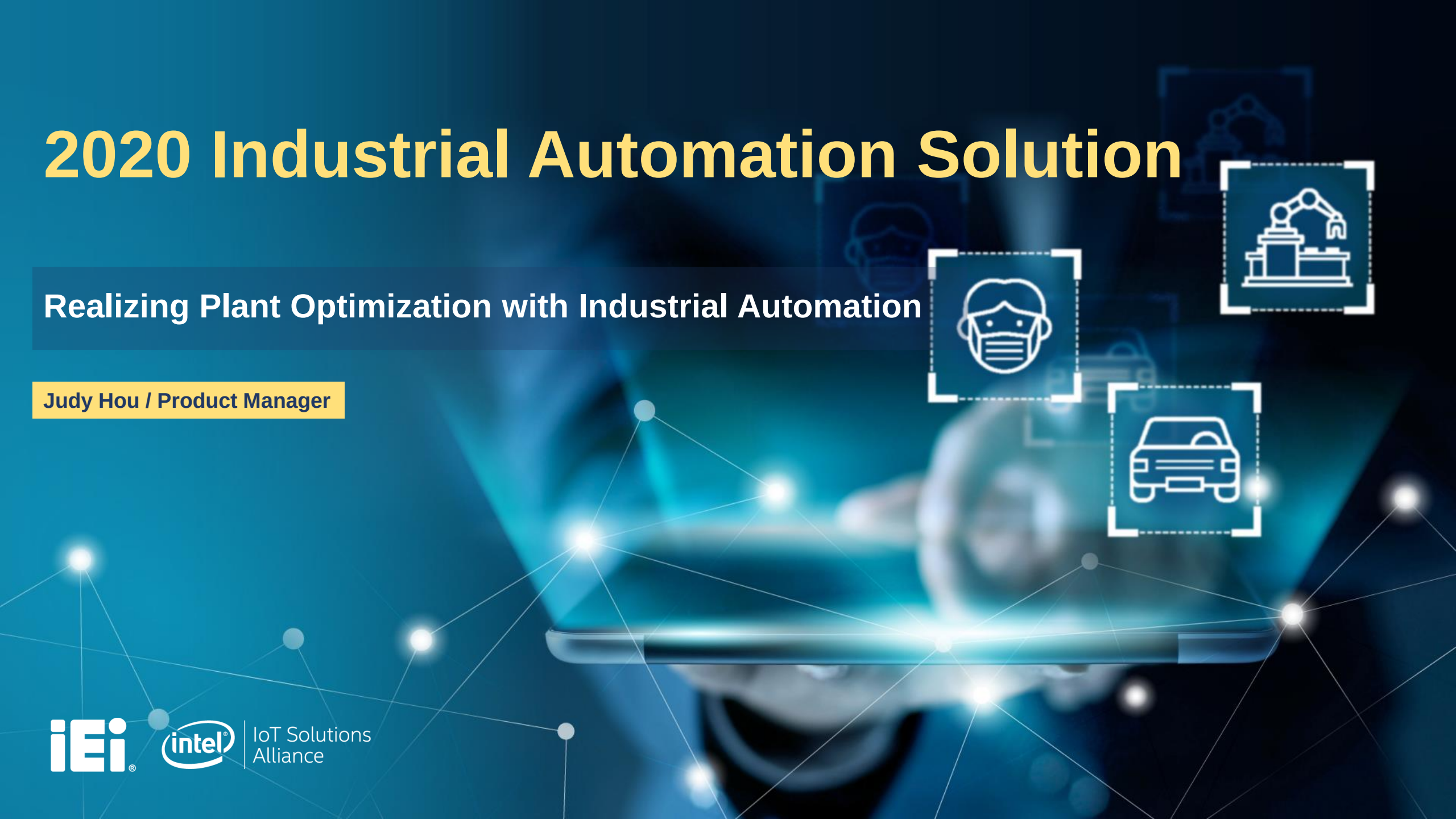
2020 Industrial Automation Solution

Realizing Plant Optimization with Industrial Automation

Judy Hou / Product Manager



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Agenda

1. **IEI Product Portfolio**
2. **Integrated Factory Automation Solution**
3. **Case Study 1**
   Automatic Packaging Production Line
4. **Case Study 2**
   Smart Production Line of Car Factories
5. **IEI Product Roadmaps**
   SBC/Panel PC/Embedded System
6. **IEI Can Help!**

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» IEI Product Portfolio

PANEL PC

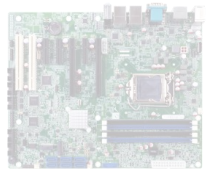
AFL Series

Narrow Edge

Modular Panel PC

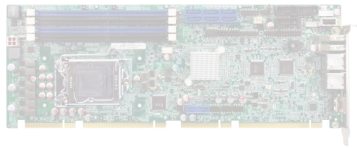
SBC

ATX

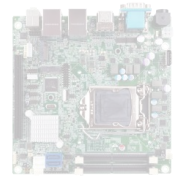


PCIGMG 1.3/1.0

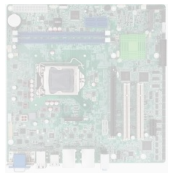
Full / Half size



Mini-ITX

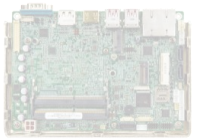


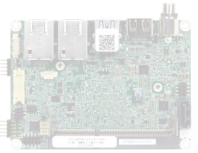
Micro-ATX



Embedded Board

3.5” / EPIC / Pico-ITX

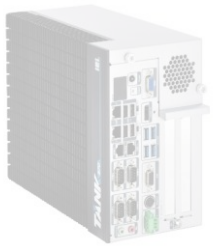




EMBEDDED SYSTEM

TANK Series

Wide Temperature
Multiple
Expansions



DRPC Series

DIN-Rail
Multiple COM
Ports

IVS Series

Vehicle Surveillance
E-mark Certifications

ITG Series

Compact Size
Dual LAN & COM
Ports

IDS Series

Compact Size
Multiple
Displays

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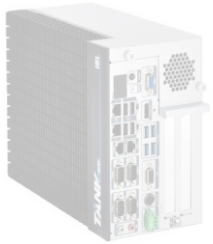

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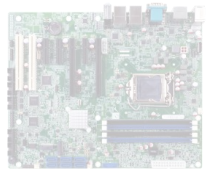

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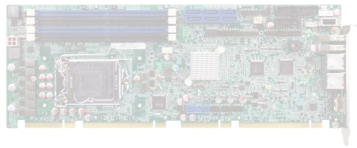

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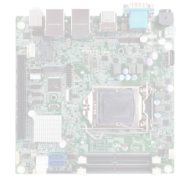

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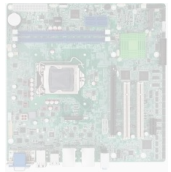

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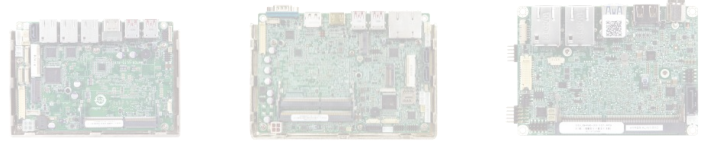

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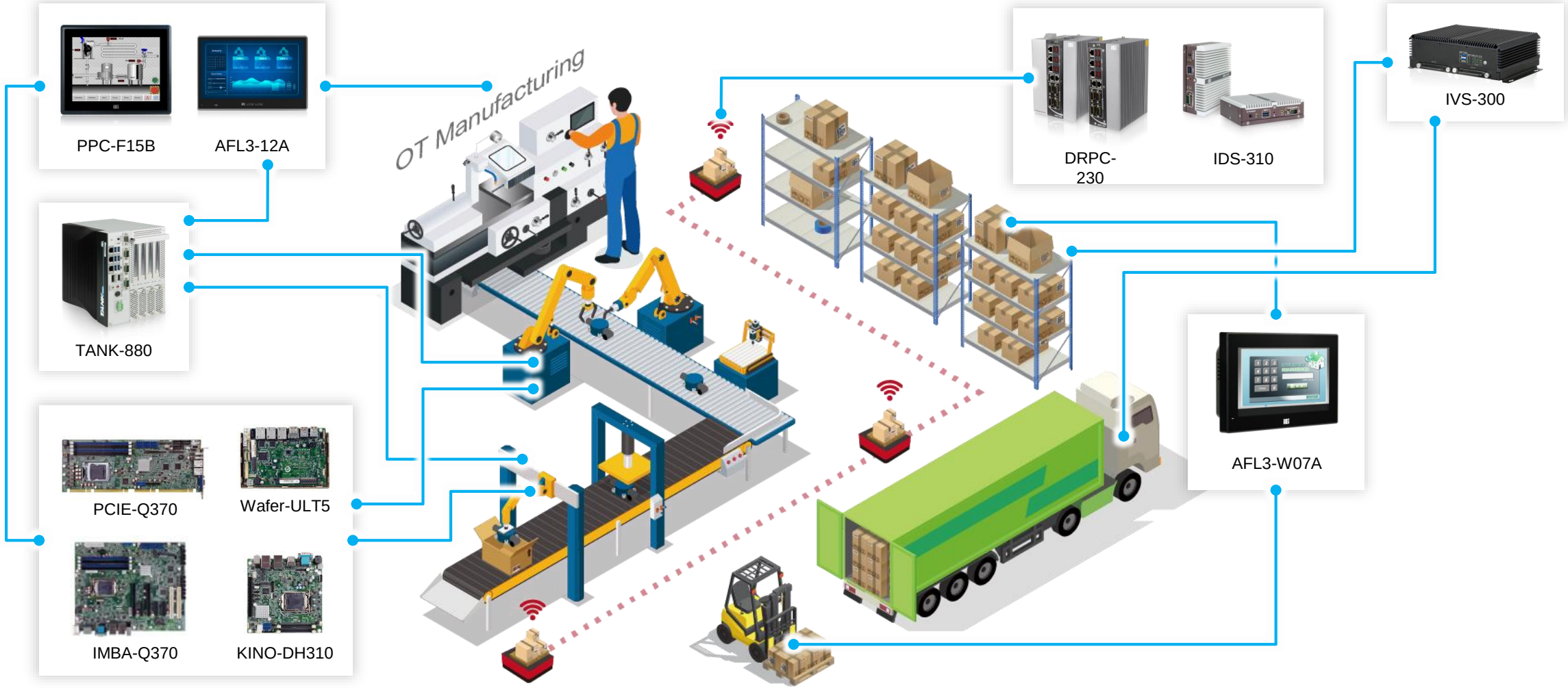
» Integrated Factory Automation Solution



Case Study

- Automatic Packaging Production Line
- Smart Production Line of Car Factories

» Case Study 1

Imagine……

More production lines

Business booming

So MANY GOODS to be packed and labelled

- Should I……
- Hire more employee?!
- But……
- Labor cost going up?!
- I should……
- Install more equipment?!
- But……
- How to control the equipment?

» Case Study 1

1.

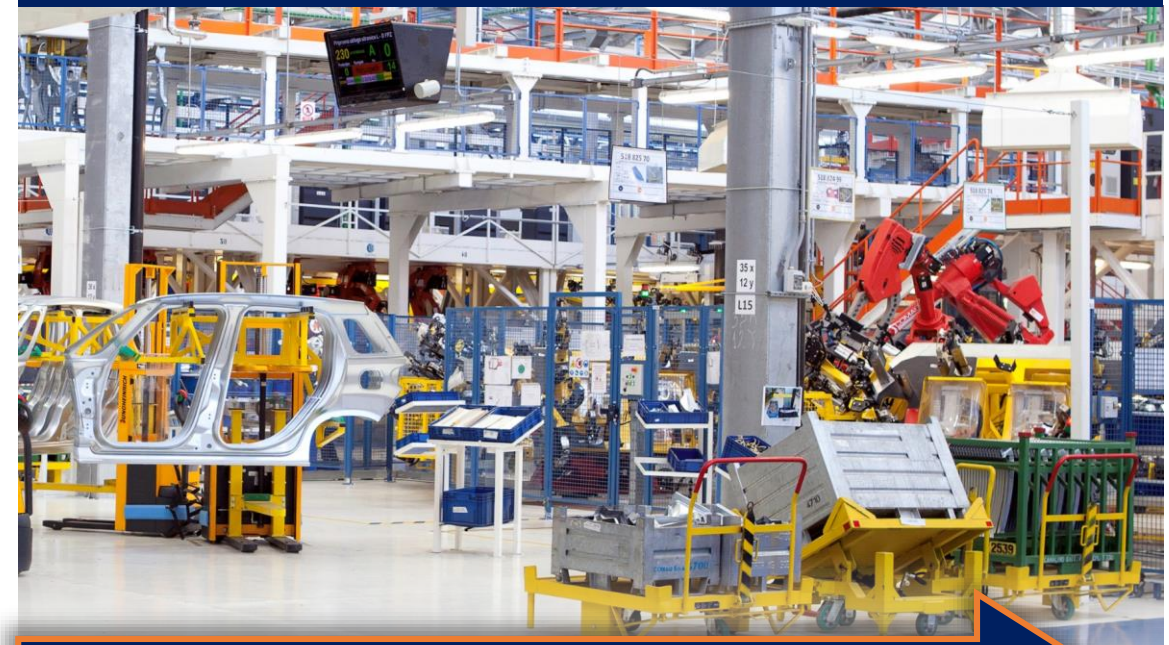
KINO-DBT

PPC-F15D-ULT5

Automatic Packaging Production Line

» Case Study 2

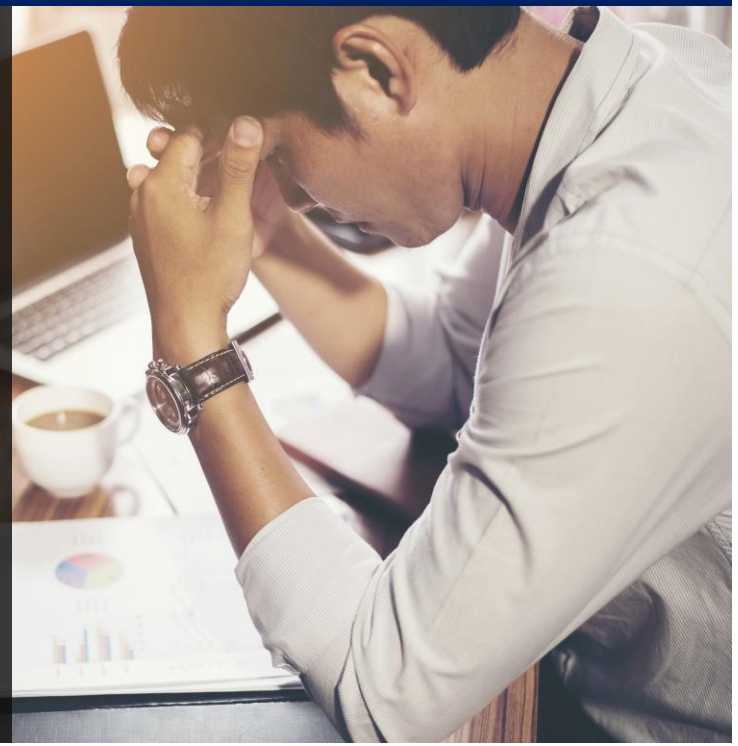
Imagine……



Steady performance → High precision → Accurate

Production information to monitor the manufacturing process

- How can I get the data?!
- Are they even real-time?!
- What if any sudden
- incident happen?!
- How can I reach on-site workers?!



» Case Study 2

uIBX-250-BW

PPC-F12B-BT

TANK-880

Smart Production Line for Vehicle Assembly

2.

IEI Product Roadmaps

- SBC
- Panel PC
- Embedded System

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» SBC Roadmap

	Mass Production	2020 Q4/2021 Q1	2021 1st Half
ATX	Coffee Lake IMBA-Q370	Comet Lake IMBA-Q470 IMBA-480	Comet Lake IMBA-H420 AMD® Ryzen IMBA-X570
PICMG 1.3/1.0	Coffee Lake SPCIE-C246, PCIE-Q370	Comet Lake HPCIE-Q470, HPCIE-W480 PCIE-Q470, SPCIE-W480	Comet Lake PCIE-H420 WSB-H420
MICRO-ATX	Sky Lake IMB-H110		Comet Lake IMB-H420
MINI-ITX	Coffee Lake KINO-DH310	Comet Lake KINO-DH420 Tiger Lake tKINO-ULT6 AMD® Ryzen KINO-V1000 KINO-R1000	Comet Lake KINO-AQ470 KINO-AW480 Elkhart Lake KINO-EHL AMD® Ryzen KINO-V2000
Embedded Board	Whiskey Lake NANO-ULT5 WAFER-ULT5		Tiger Lake WAFER-ULT6 NANO-ULT6 Elkhart Lake WAFER-EHL NANO-EHL HYPER-EHL

Launched | Developing | Planning

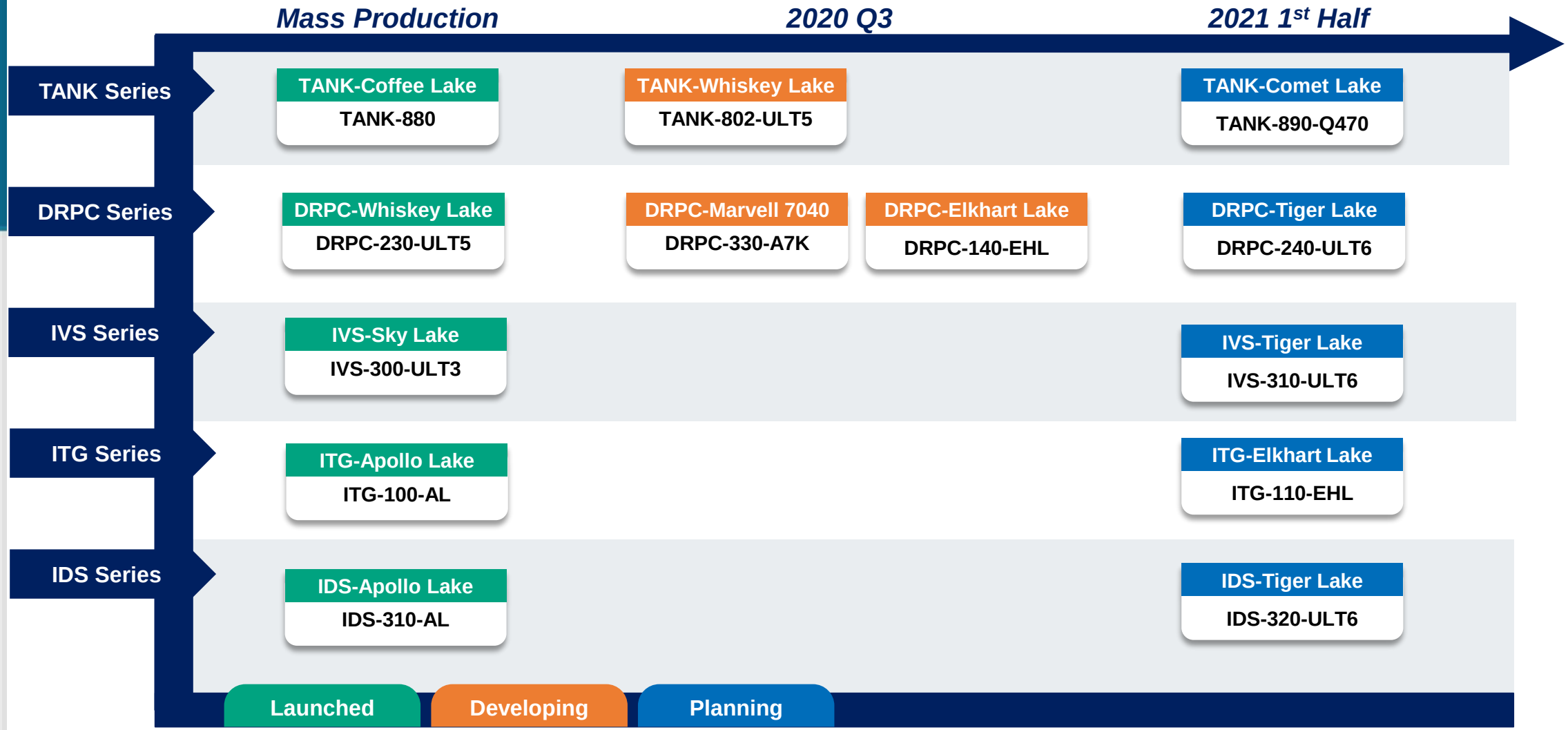
» Panel PC Roadmap

	Mass Production	*2020 Q3*	*2021 1st Half*
Modular Panel PC	**PPC-Coffee Lake** PPC-FWxxC-Q370 (24”, 22”, 19”, 15”) PPC-FxxC-Q370 (17”, 15”) Flex-BX200-Q370	**PPC-Whiskey Lake** PPC-FWxxD-ULT5 (24”, 22”, 19”, 15”) PPC-FxxD-ULT5 (17”, 15”) Flex-BX100-ULT5	**PPC-Comet Lake S** PPC-FWxxC-Q470 (24”, 22”, 19”, 15”) PPC-FxxC-Q470 (17”, 15”) Flex-BX210-Q470	**PPC-Comet Lake S** PPC-FWxxC-Q420 (24”, 22”, 19”, 15”) PPC-FxxC-Q420 (17”, 15”) Flex-BX220-Q420
Narrow Edge				**PPC-Elkhart Lake** PPC-FWxxC-Q420 (24”, 22”, 19”, 15”)
AFL Series	**AFL3-Apollo Lake** AFL3-W19A-AL AFL3-WxxA-AL/P (15”, 12”, 10”, 07”)	**AFL3-Sky Lake** AFL3-WxxC-ULT3 (22”, 19”, 15”) AFL3-12C-ULT3	**AFL3-Whiskey Lake** AFL3-WxxC-ULT5/P (22”, 19”, 15”)	**AFL3-Elkhart Lake** AFL3-WxxA-XX (15”, 12”, 10”)

Launched | Developing | Planning

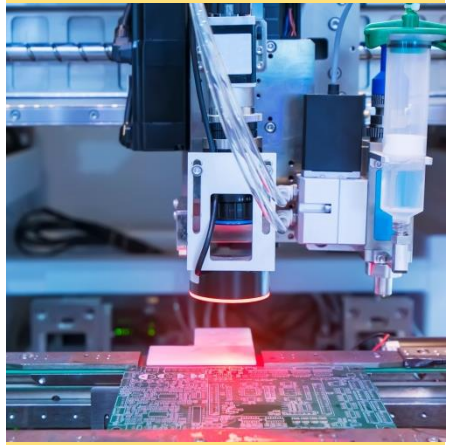
P = PoE (Power over Ethernet)

» Embedded System Roadmap



» IEI Can Help

Smart Factory Turn-key Solution

Labor cost reduction	Old/New platform integration	Boost up product yield	Enhance production efficiency	All-inclusive product variety
				

Thanks for your attention

Integrated Factory Automation Solution

IoT Solutions Alliance