

Top AloT Trends that will Change Your Business

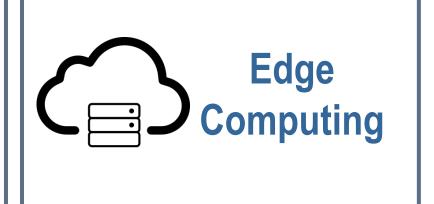
Tony Liu, Corporate Investment, Advantech
Jill Tseng, IoT.SENSE, Advantech

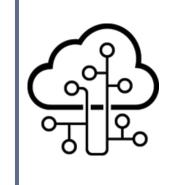


Key Technology Trend of the Year 2020









IoT Platform



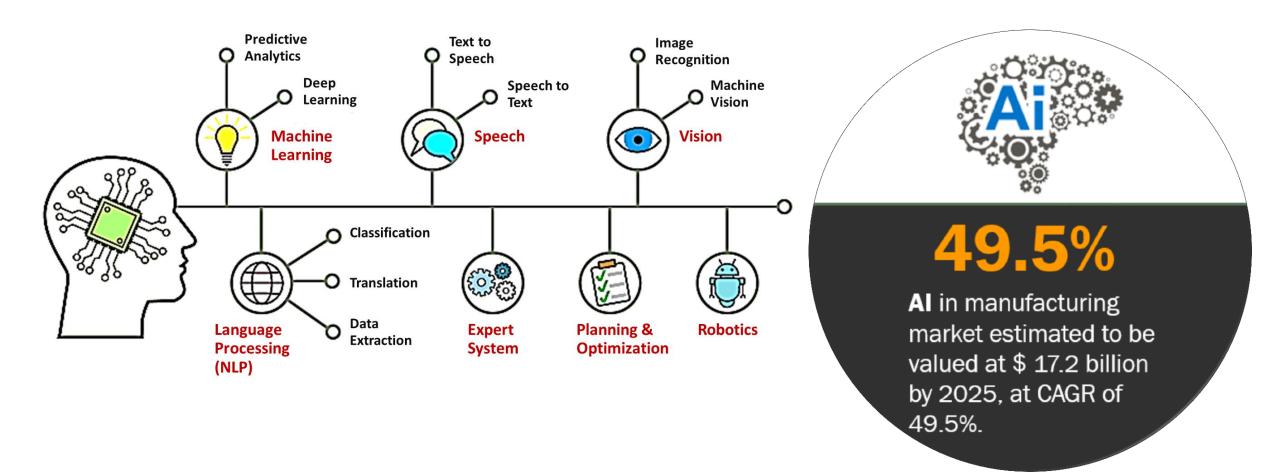
Decoupling





Is Al Meaningful for IoT Application?





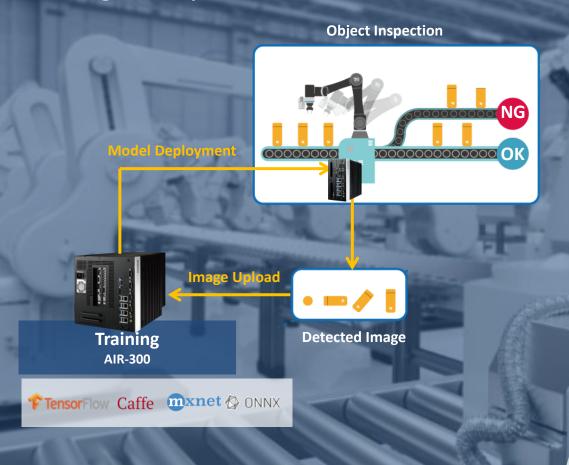
Source: By Samuel Greengard, Posted May 24, 2019

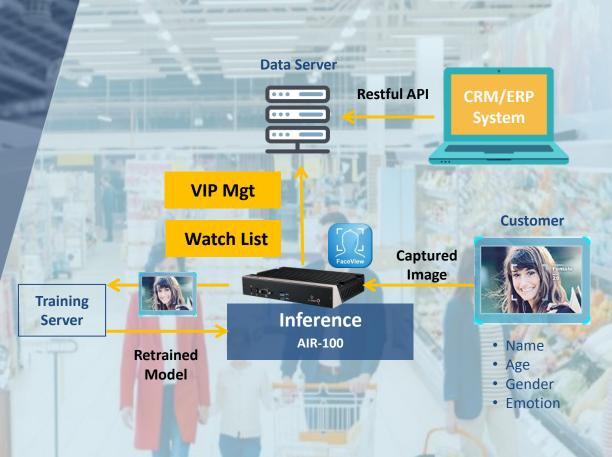
Source: MarketsandMarkets



Edge AI in Industry 4.0:

360 Degree Inspection with Robot Vision





Edge AI in Retail:

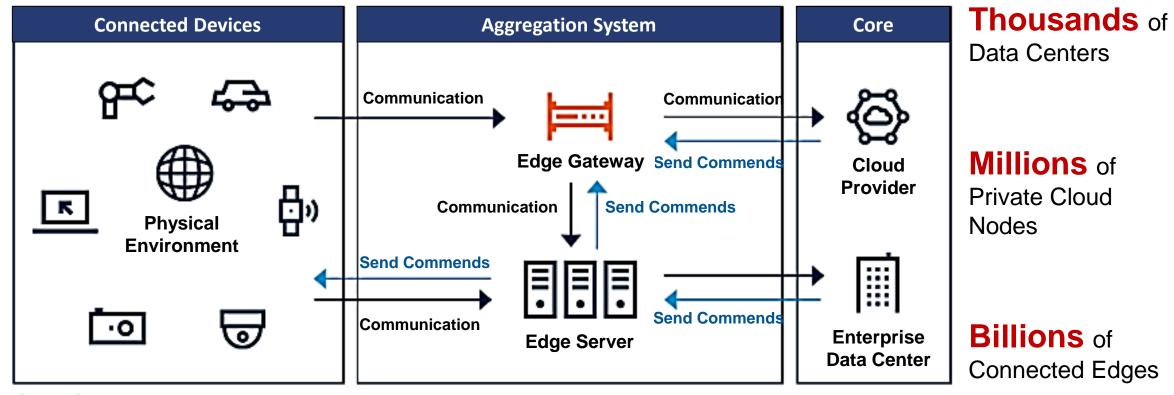
Real-time Customer Analysis & Management



Connected Edges will Spread out Everywhere Computing



A Complex Mix of Technology and Infrastructure

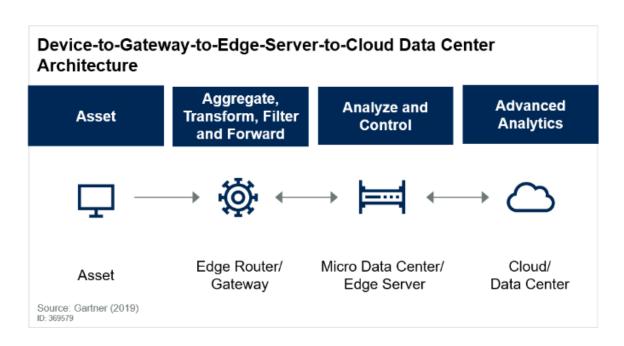


Source: Gartner ID: 447998



Edge Computing will still be Key for IoT Applications

- ✓ By 2022, more than 50% of enterprise-generated data will be created and processed outside the data center or cloud.
- ✓ By 2022, 20% of new <u>industrial control systems</u> will include <u>analytics and Al-edge inference capabilities</u>, up from less than 5% in 2019.



edge servers micro data centers edge devices gateways I/O modules

Source: Market Guide for Edge Computing Solutions for Industrial IoT Published 23 September 2019 - Santhosh Rao, Sr Director Analyst, Gartner

Source: Gartner



Empowering AI Services with Edge-to-Cloud Solutions

Model **Development &**



Inference Engine Remote Deployment

AI Inference & Training Servers



SKY-6100 1U 5 GPU Cards Inference Server



SKY-6400 4U 4 GPU Cards Hybrid **Training Server**



SKY-6200 2U 4 GPU Cards Hybrid **Training Server**



SKY-6420 **4U 10 GPU Cards Heavy Training Server**

WISE-PaaS/AFS

Al Framework Service

Unified AI Platform

Public, Private, **Hybrid Clouds**

Edge Intelligence Enabling

Model Management

MIC-770 + MIC-75G20**Compact System Support** up to 1 GPU Card



AIR-300 Server Grade Computing, Up to 1 GPU Card



MIC-770 **Compact Fanless** System



USM-VI Video Al Edge

Edge AI Solutions

Edge Al Inference Systems



Low Power. **Quad Displays**

AIR-100





AIR-101 12-28VDC **DIN Rail Mounting**

MIC-720AI

Compact Edge

Syetem



Ruggedized Design, **High Performance**



MIC-730AI **Box Syetem**

AIR-200

ML & DL Frameworks and Libraries



























Silicon Partners







Al Accelerators



VEGA-4000 Xilinx Ultrascale+



VEGA-4001 2x Xilinx Ultrascale+



VEGA-550 4x Xilinx UltraScale+



VEGA-320 M.2. 1 Intel Myriad X VPU



VEGA-330 miniPCle, 2 Intel Myriad X VPUs

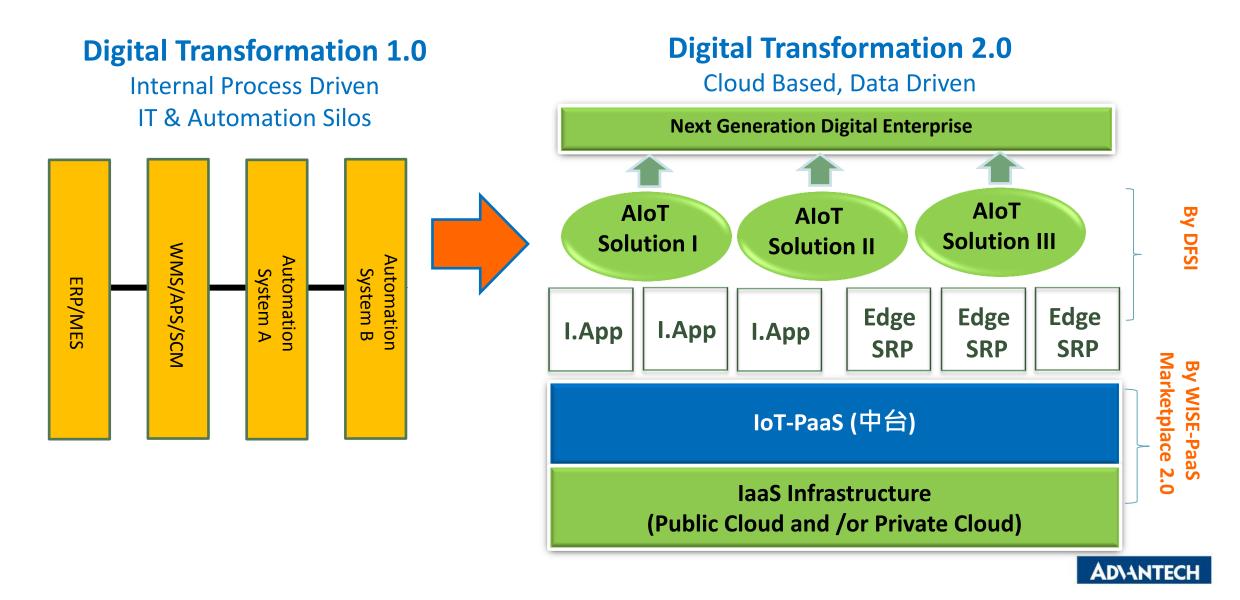


VEGA-340 PClex4, 8 Intel Myriad X VPUs



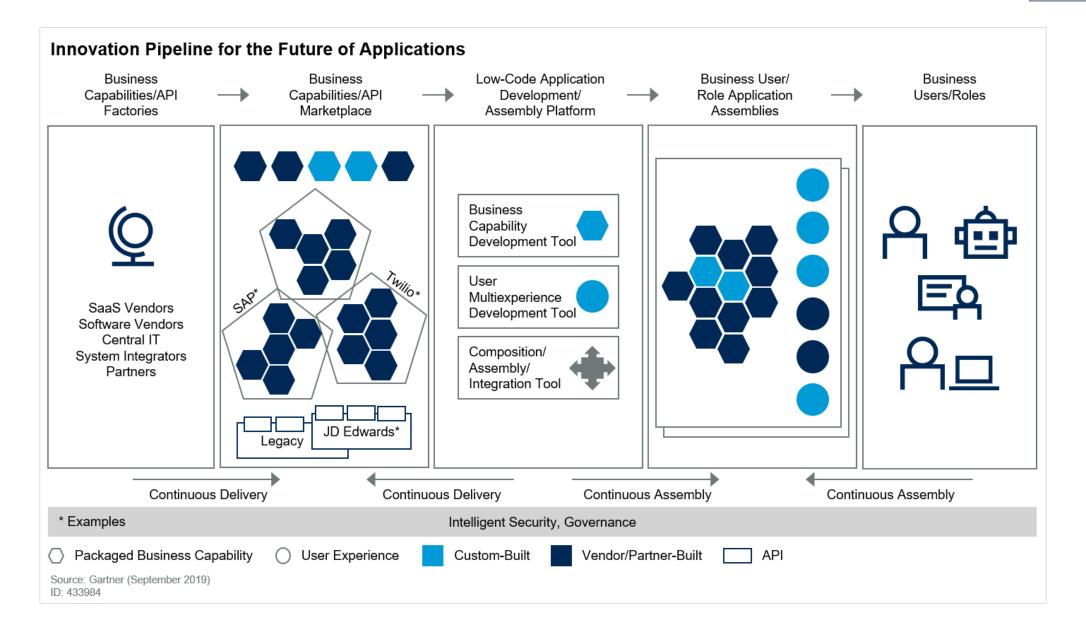
Cloud Based, Data Driven Digital Transformation, From 1.0 to 2.0





Decoupling is the Key





I.Apps Portfolio on WISE-PaaS Marketplace 2.0





Edge.SRP

EdgeLink

Edge.SRP/

EdgeLink

AlNavi

WISF-PaaS



WISE-PaaS Command Center SCADA



WISE.M+

Cell

ME-Cell

Video Service WISE-PaaS/ Video Service

Edge.SRP

Line

ME-Line





Notification

Edge SRP/

SignageCMS





Android DM

PCount

Edge SRP

People Counting



WISE-PaaS/

AFS PQA



Device0i

E2I

DeviceOn.





ePaper



FaceView

DeviceOn/

FaceView













VNC Connect

Edge.SRPs

邊緣功能模組





Edge.SRP/



Edge.SRP

Android DN















Edge.SRP

Edge.SRP/

Intelligent NVR







Edge.SRP

Edge SRP

acial Recognition





DeviceOn/

























Ecosystem to Promote Industry Prosperity



Business ecosystem of **Tencent** 腾讯

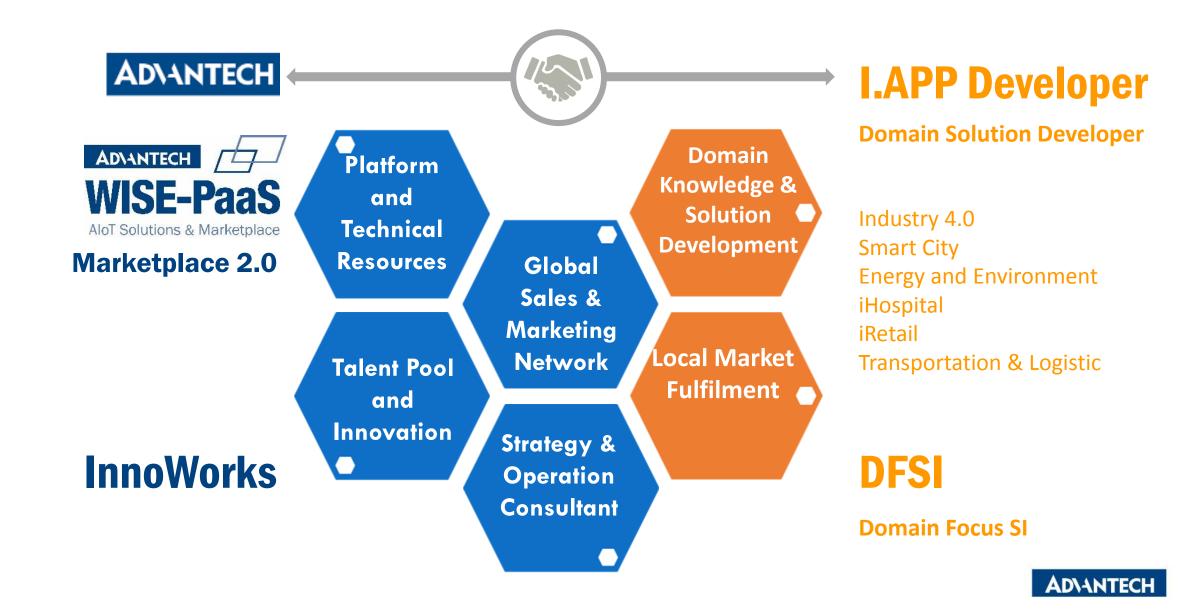
Social media **2**3 Tencent Mix 永辉超市 WeBank MONET /人贷 腾讯元

Business ecosystem of 阿里巴巴





Co-Creation: Accelerate Your Business Growth with Advantech



Co-Creating the Partnership for AloT Era

Transportation





Gaming

Kiosk/POS























Medical

























póslab





























































Channel Partners















GE Healthcare

















































Silicon Partners



















arm

Microsoft



























Rockchip







WISE-PaaS



















Co-Creating the Future of the IoT World

