

WISE-PaaS/ DeviceOn : Key Driver to Enable Your Service as a Platform

Moderator:

Rosa Chang, BDM Advantech

Panelists:

Chad.Shih, Advantech Supervisor

Thomas.Kastner, Advantech Director

Pier Luigi Zenevre, iProd Srl Chief Marketing Officer

John Kuo, NextWarehouse Chief Executive Officer



Points You Will Catch...

- ↗ The features of **WISE-PaaS/DeviceOn** as an application
- ↗ **WISE-PaaS/DeviceOn** as a building block to develop your application
- ↗ Success Stories Sharing
- ↗ How to take the first step?

The Features and Applications of **WISE-PaaS/ DeviceOn**

Chad Shih
Engineering Manager
Advantech North America



Device Lifecycle Management

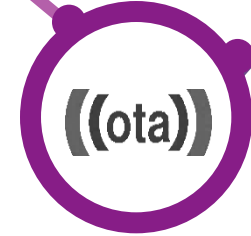
Onboard, Configure, Monitor, Update, Retire

Device Onboard & Registration

- ✓ Zero-touch Onboarding
- ✓ Batch Import, Provisioning & Configuration
- ✓ Device Migrate, Transfer, Replace, and Retire

Data Acquisition & Visualizer

- ✓ Device Real-time & Historical Data
- ✓ WISE-PaaS/Dashboard Built-In



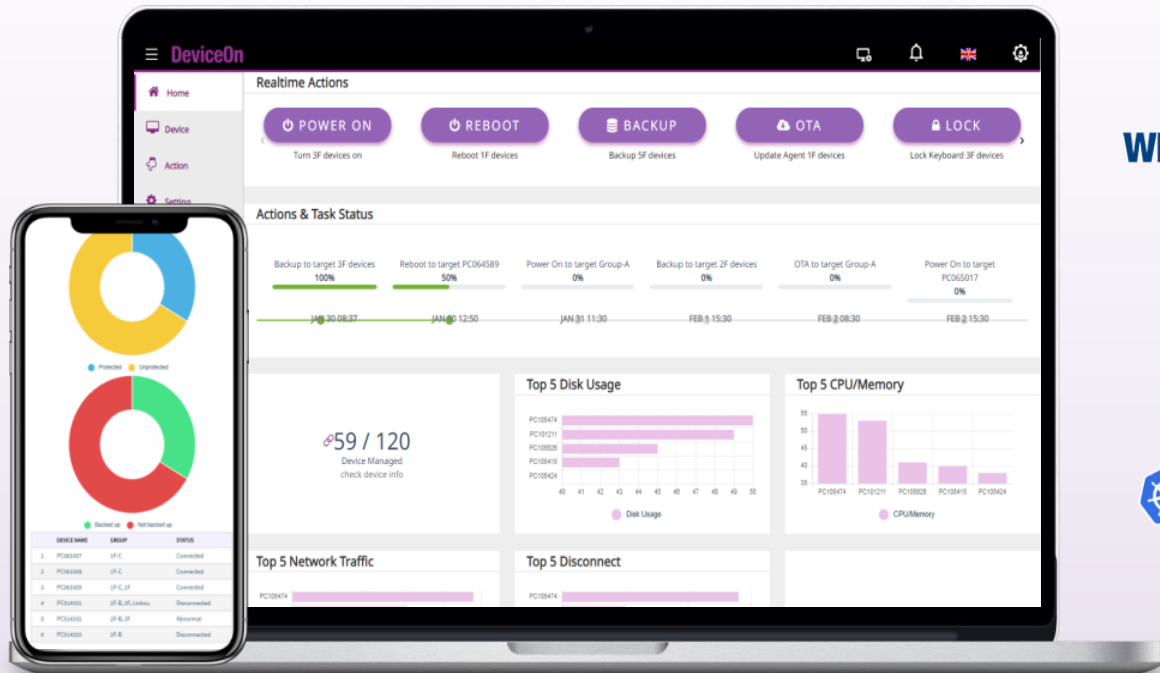
- ✓ Hardware & Software Monitoring
- ✓ Power Management
- ✓ Remote Trouble shooting
- ✓ Backup/Recovery, Protection
- ✓ Windows 10 Lockdown (Security & Protection)
- ✓ Device Anomaly Detection (Rule Engine)
- ✓ Notification & Alert

Device Monitoring & Diagnostics

- ✓ Software, Firmware & Configuration Update
- ✓ Advantech BIOS Update

Device SW Updates & Maintenance

Work Anywhere on Popular Platform and Service



Public Cloud Platform

WISE-PaaS/ EnSaaS
(Cloud Foundry Container)

Microsoft Azure
(AKS + Azure IoT Hub)

On-Premise Service



kubernetes
(Container PaaS)



VM

(Standalone Installation)

WISE-Stack

(EnSaaS Private Cloud)

DeviceOn US Strategy

- Target Customer

- Equipment Builder: **Hypertherm** **BUCHER**, etc.
SHAPING POSSIBILITY emhart glass
- DFSI: System integrator with IT resources

- Focus Domain

- Industrial equipment builders...etc.
- Industrial Automation, Energy(wind farm, solar, etc), Oil & Gas

- Main Application

- Device Management & Monitoring : Bring rapid deployment tool that adds IT management capability to our OT customer.

WISE-PaaS/ DeviceOn

Empowers Edge Intelligence



Device Management

- Device Monitoring and Diagnostics
- Device Control & Updating



Data Management

- Data Acquisition and Storage
- Secure Data Access



Connectivity Service

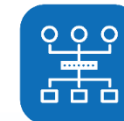
- Device Connectivity
- Plug-n-Play Peripherals

DeviceOn.Dev



OTA

- Software & Firmware Updates
- Advantech BIOS Updates



Rule Engine

- Distributed Rule Monitoring
- Flexible Trigger and Action



Data Security

- McAfee Threat Protection
- Acronis Backup Recovery

DeviceOn.App

DeviceOn OTA

OTA

- Software, firmware & configuration updates
- Advantech BIOS updates

DeviceOn FaceView

FaceView

- Facial recognition
- People counting
- Behavior detection

DeviceOn E2I

E2I

- Protocol conversion
- Edge intelligence
- Real-time visualization

DeviceOn ePaper

ePaper Manager

- EPD device auto-discover
- Fast transmission
- Device association

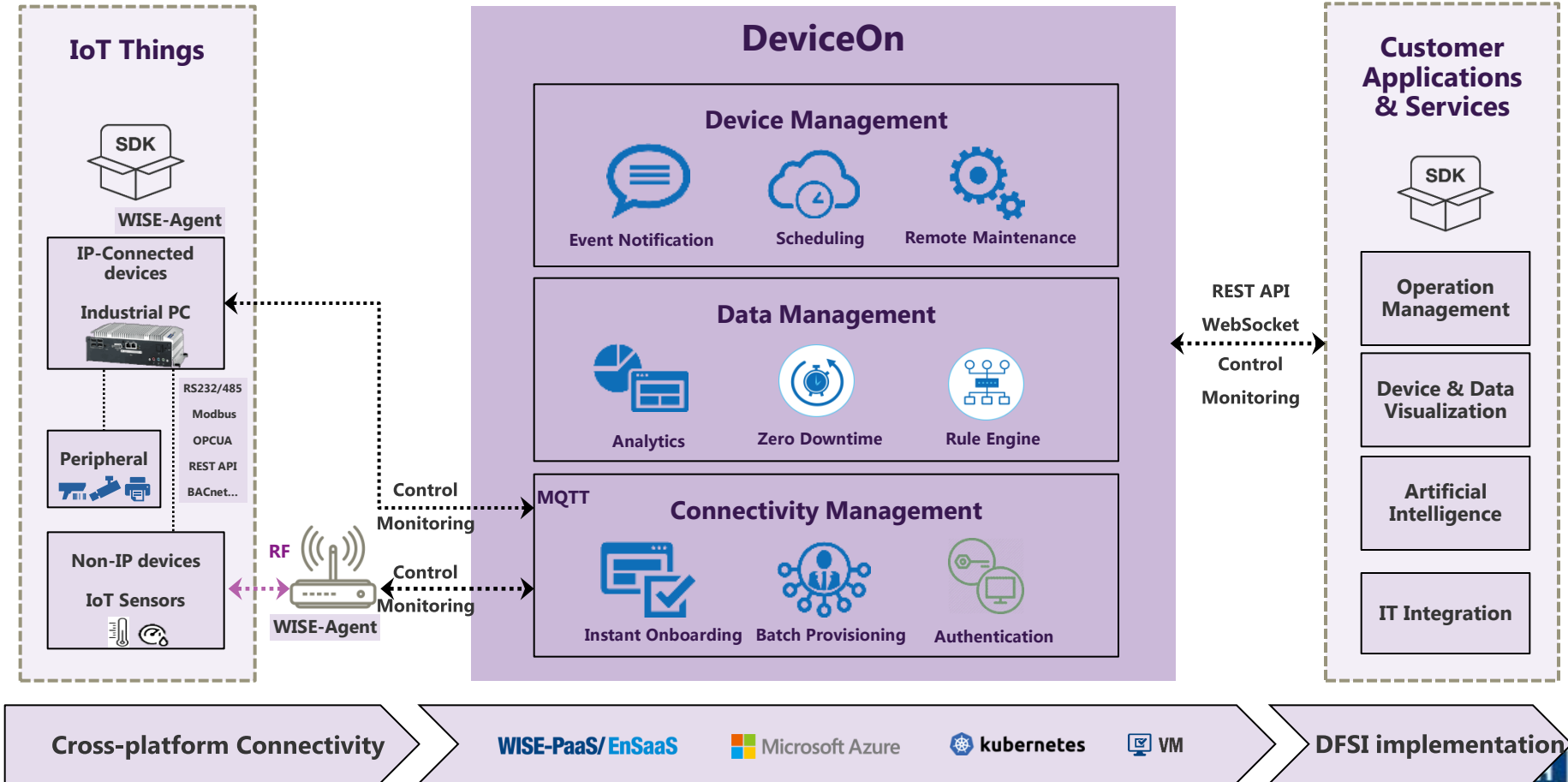
How Can DeviceOn's Flexible Architecture Help to Quickly Develop Your Application

Thomas Kastner
Director of WP.SENSE Europe
Advantech

WP.SENSE
WISE-PaaS Solution Enabling Services

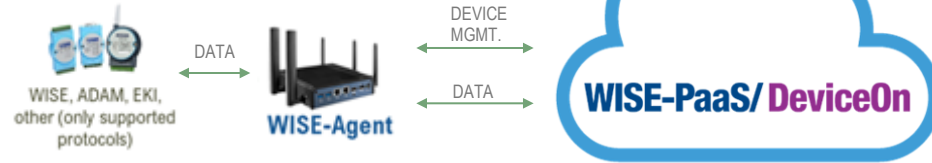


DeviceOn Architecture Overview

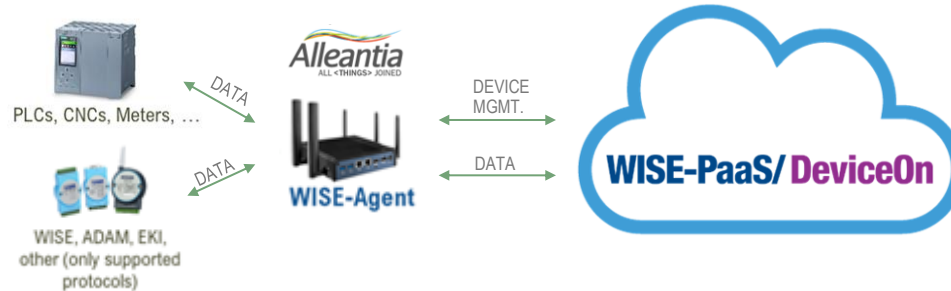


Versatile client connectivity through plugins

Advantech
out-of-the box
connectivity



Alleantia Software and
plugin add connectivity
to 5000+ devices



Turnkey industry 4.0
tablet with WISE-Agent
and Alleantia Software



Server-side flexibility through RESTful APIs / Add-Ins

RESTful APIs for
cloud services/apps
or cloud-to-cloud
connectivity



Custom User Interface
as DeviceOn-Add-in
on
Advantech medical
product

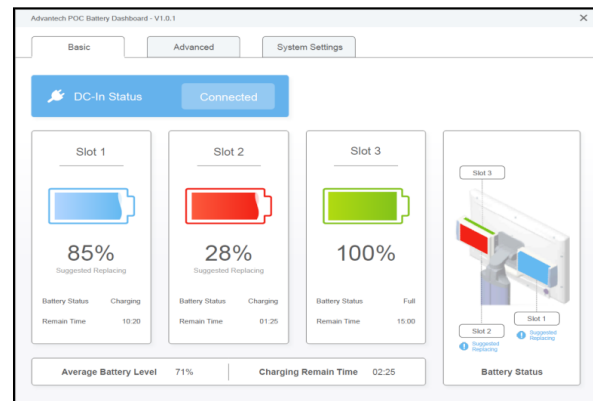


Advantech

Device Management

Showing 10 of 50 results

Client Status	Item	S/N for POC	Battery Capacity	Location	DC-In Status	Data Transfer Time
●	POC1	TPX123456	98%	SF-001	Connected	2019-02-12 09:14:56
●	POC2	TPX789101	30%	N/A	Connected	2019-02-11 02:10:02
●	POC3	TPX456789	70%	2F-202	Disconnected	2019-03-15 09:02:10
●	POC4	TPX123456	98%	SF-001	Connected	2019-02-12 09:14:56
●	POC2	TPX789101	30%	N/A	Connected	2019-02-11 02:10:02
●	POC3	TPX456789	70%	2F-202	Disconnected	2019-03-15 09:02:10
●	POC1	TPX123456	98%	SF-001	Connected	2019-02-12 09:14:56
●	POC2	TPX789101	30%	N/A	Connected	2019-02-11 02:10:02
●	POC3	TPX456789	70%	2F-202	Disconnected	2019-03-15 09:02:10
●	POC1	TPX123456	98%	SF-001	Connected	2019-02-12 09:14:56



DeviceOn Flexibility Supports Europe's Strategy

- Building up a true ecosystem around DeviceOn
- Creating blueprints and SRPs for real use cases in focused verticals
- User-friendly reselling through existing channels
- Flexible connectivity options and services for 3rd party clouds or devices

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Enabling an Intelligent Planet



Success Story | **iProd**

iProd MOP: as easy as an App.

The first 4.0 cloud Platform to create your Digital Workshop

Pier Luigi Zenevre
Chief Marketing Officer
iProd Srl.



IT Edge Computing
Industry 4.0
WISER-PaaS
XNavi Services
iCity
AI Wireless
IoT Device Manager
EnSaaS
WISER-PaaS
Marketplace
Design-in Services
Customer Care
WISE-PaaS Alliance
IoT SRP 2.0
Service IoT
Embedded IoT
Cloud-IoT
EnSaaS
WISER-PaaS
Marketplace
Design-in Services
Customer Care

iProd MOP: optimizes the 4 operational areas within manufacturing domain

1

Production Technology



TECHNOLOGY



PLANNING



iProd

OFFICINA DIGITALE

3

Production Planning & Monitoring



ONTIME PURCHASE

DELIVERY
8 AM

2

Purchasing Management of materials and tools



MAINTENANCE

MOP
MANUFACTURING
OPTIMISATION
PLATFORM

4

Preventive and Extraordinary Maintenance



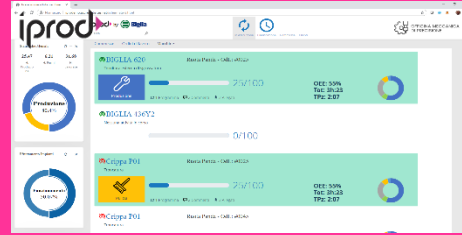
iProd

iProd IoT Tablet: a ready-to-use kit (IoT + Cloud)

FEATURES

- Real time Production Planning
- Online Asset Monitoring
- Production KPIs
- Technopedia
- "Sharing" activities with customers

Digital Workshop



iProd Cloud Professional

UNIQUE VALUE PROPOSITION

- Plug&Play IoT & Cloud
- NO training, as easy as an APP
- Effective already from a single interconnected machine
- NO annual fees
- Open for integration with third parties APP

LAN, WiFi or 4G

iProd
IoT Tablet 4.0
and operators



LAN



IoT 4.0
Plug&Play



Machine tools
and others
production assets



iProd IoT Tablet: bundle of 4 Advantech's building blocks

Advantech
UTC 510

Alleantia
I4.0 P&P
Edge software

WISE-PaaS/ DeviceOn

iProd Cloud
Professional



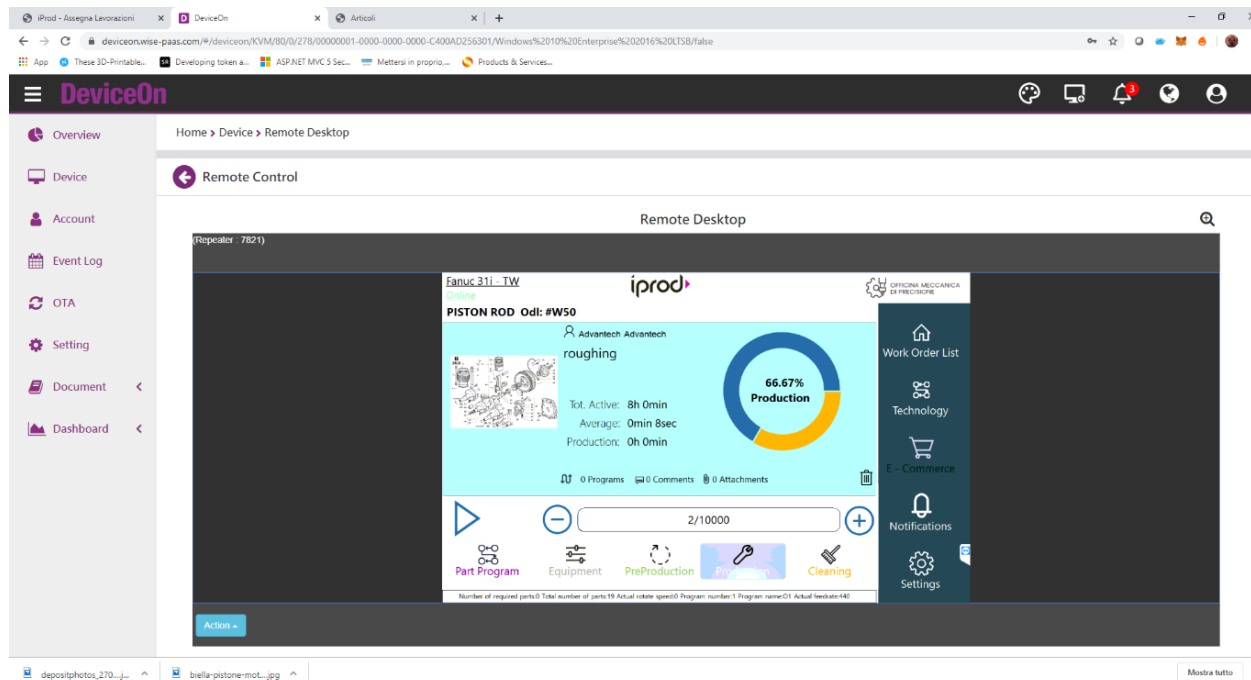
Go experience on
the booth outside!

From Box to Cloud
in a few minutes

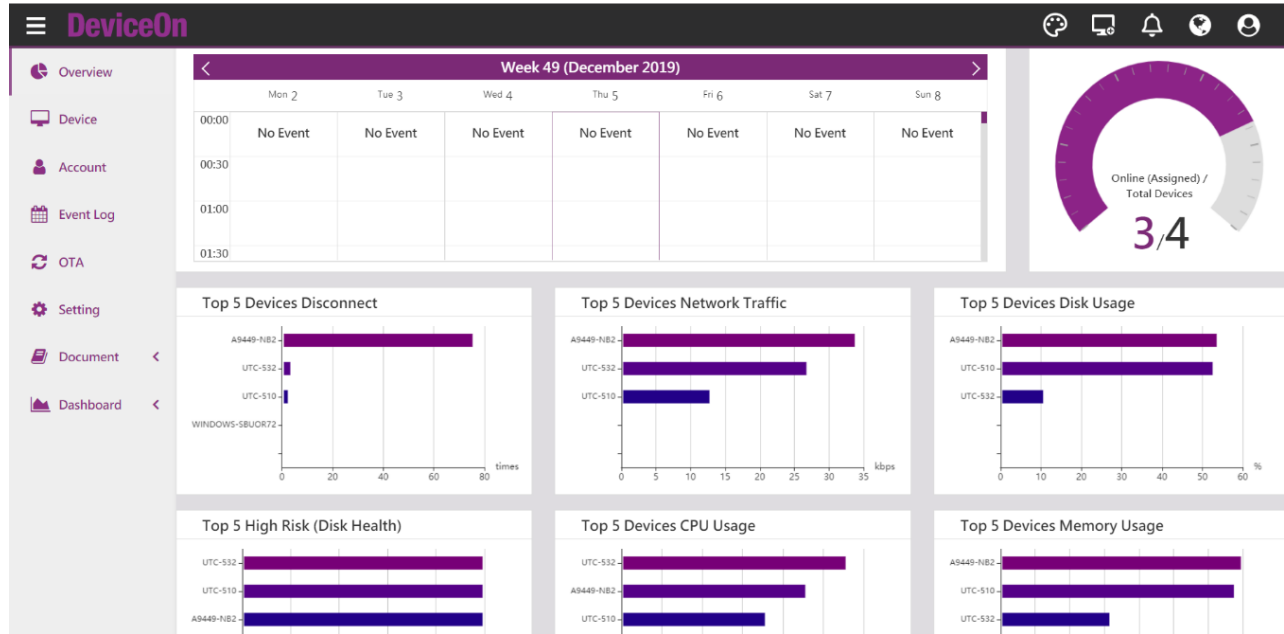


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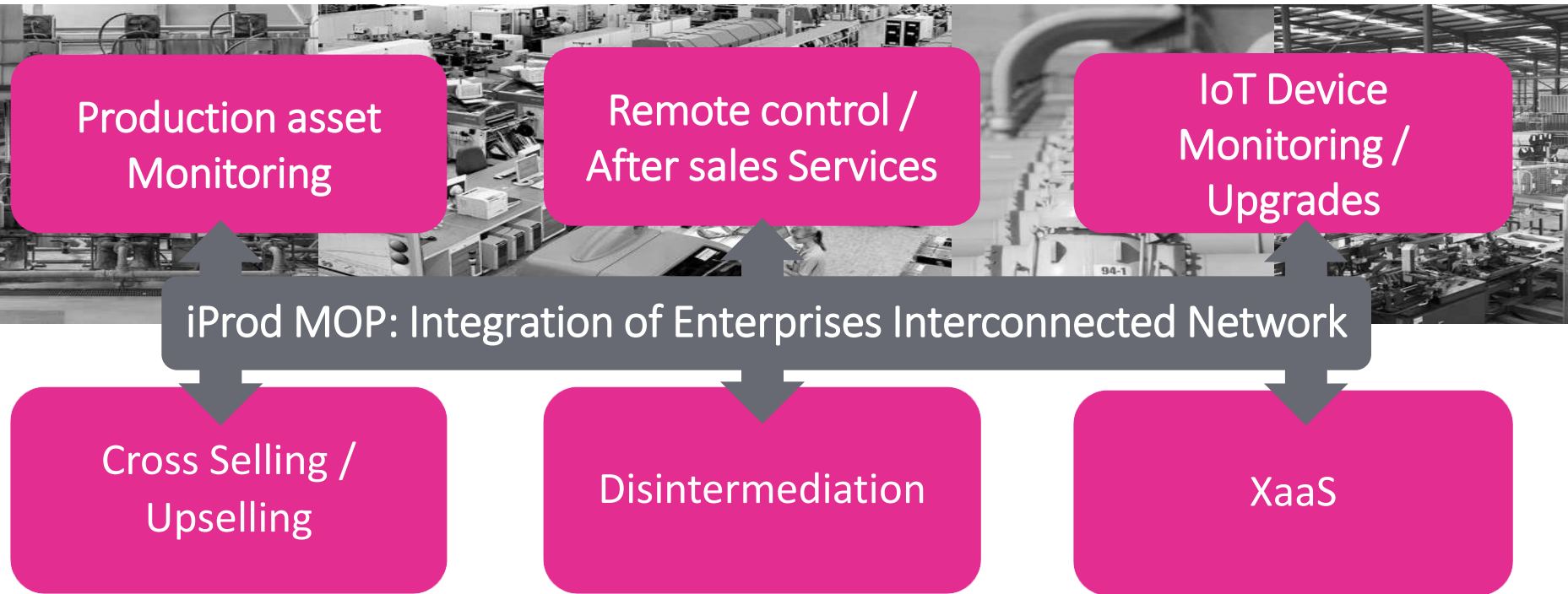
Device Management: Monitoring & Diagnostic



Data Management: Data Acquisition & Storage



Reason of Partnering with Advantech WISE-PaaS: To expand Digital Workshop through iProd MOP



Reasons of Partnering with Advantech WISE-PaaS

- 1 Strengthen Advantech partner Ecosystem by embedding solution packages (Alleantia)
- 2 Expanding upselling through Cloud Services (iProd Cloud Professional new packages)
- 3 Enabling new Business Models (AI and Contextual Market Place)



Thanks!

Contacts:



www.iprod.it blog.iprod.it

sales@iprod.it



@iprod40



/iprodsrl



/iproductivity



Success Story | **Next**Warehouse

The Reasons and Benefits of Partnering with Advantech

John Kuo

Chief Executive Officer

Nextwarehouse Inc.





The Challenge and Pain Point That We Are Facing

Integration of data process, data collection, remote diagnosis and monitoring for industrial critical application.

WISE-PaaS Functions used for Nextwarehouse's Power Monitor Solution



An Industrial PaaS Solution
for the Edge to Cloud
Service



An IoT Device Monitoring and
Management Platform



A data analysis and
visualization tool



Advantages Obtained from WISE-PaaS

- WISE-PaaS has complete platforms for different application use, only display the information you want.
- WISE-PaaS hosts platform itself, no longer from customer's end.

The Support and Benefit of Joining WISE-PaaS Alliance

- Well constructive engineer support team and product management team for complete instruction.
- Advantech is a well-known industrial embedded, computing, and network product manufacturer. Nowadays, IIoT has become a fairly hot topic. More and more customers are seeking integration of data process and collection as well as remote diagnosis and monitoring capability with edge devices. With implementing WISE-PaaS to Advantech product, it increases the market visibility in IIoT.

Real-time Actions



Reboot-Reboot Default



Screenshot-Screenshot Default



Power On-Demo Power On



Power Off-Demo Power Off



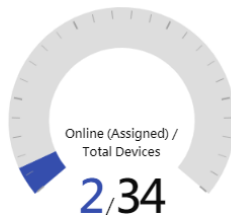
Reboot-Demo Reboot



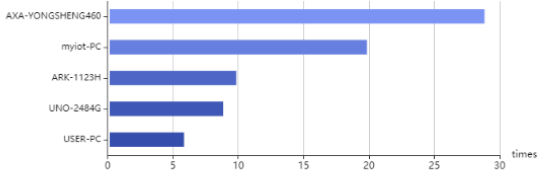
Scheduled Tasks



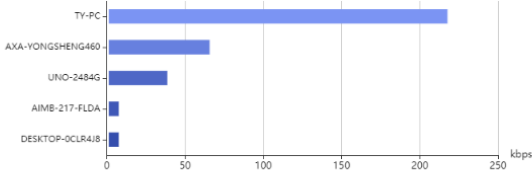
Online/ Total Devices



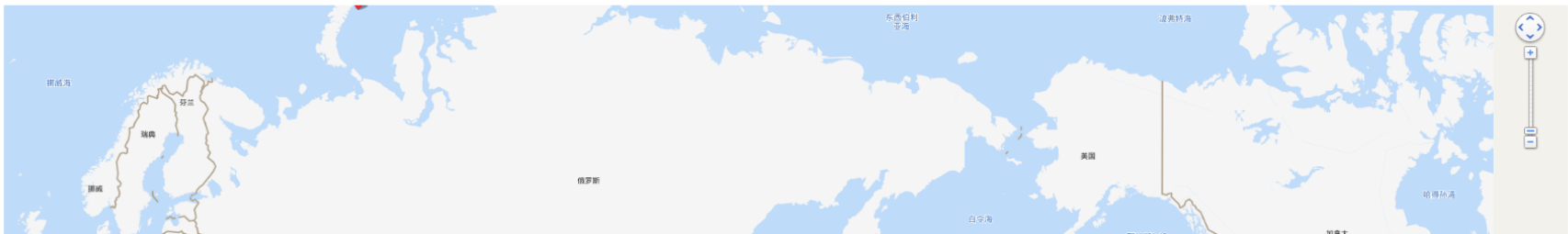
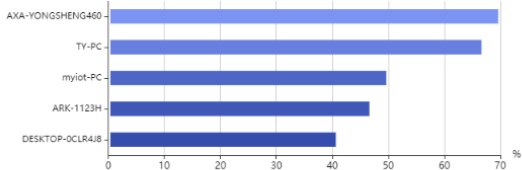
Top 5 Devices Disconnect



Top 5 Devices Network Traffic



Top 5 Devices Disk Usage



➤ How to take the first step?

The screenshot displays the Advantech WISE-PaaS Marketplace interface. At the top, the logo and navigation menu are visible, including links for Products, Solutions, Resource, and Management Portal. A search bar is located next to the logo. Below the navigation bar, the main content area is divided into several sections. On the left, there is a sidebar with 'Browse Apps' and 'Industry Focused Apps' (listing categories like iFactory/Electronics, iFactory/Metal, Energy & Environment, iCity Service, iRetail & Hospitality, and iHospital). Below this, 'WISE-PaaS I App Products' are listed, including IoT-PaaS Service (EnSaaS), WebAccess, and Video and Display Management. Further down, 'DeviceOn App & Dev', 'Edge SRP (Software)', 'Partner Apps', 'AI Framework Consultation', 'Consulting Services', and 'Training' are mentioned. An 'Ask an Expert' section provides contact information for Request Call Back, Contact Sales, and More Contacts, along with a toll-free number. The main content area features a breadcrumb trail: Home > Apps > Industrial Apps > iFactory/Metal. Below this, there are filters for Vendor (All) and Pricing Model (All), with a 'View Results' button and a 'Clear Filters' link. A 'Not sure where to start?' section with a 'View Solution' button is also present. The 'Results: 182' are displayed in three main categories: 'DeviceOn Apps', 'DeviceOn Dev', and 'DeviceOn 3rd Party Apps'. Each category shows a grid of app cards with icons, titles, and brief descriptions. For example, in 'DeviceOn Apps', there are cards for 'Device Management', 'Face View', 'Equipment to Intelligence', 'ePaper Management', and 'OTA Updates'. In 'DeviceOn Dev', there are cards for 'Device Management', 'Data Management', 'Connectivity Service', 'OTA Updates', 'Rule Engine', and 'DeviceOn Security'. In 'DeviceOn 3rd Party Apps', there are cards for 'Application Control' and 'Backup & Recovery'. Each card includes a 'Get it now' button and a 'Free Software Trial' link.

ADVANTECH WISE-PaaS Marketplace Search Marketplace

Sign in Free Trial

Products Solutions Resource Management Portal

Browse Apps

Industry Focused Apps

- iFactory/Electronics
- iFactory/Metal
- Energy & Environment
- iCity Service
- iRetail & Hospitality
- iHospital

WISE-PaaS I App Products

- IoT-PaaS Service (EnSaaS)
- WebAccess
- Video and Display Management

DeviceOn App & Dev

Edge SRP (Software)

Partner Apps

AI Framework Consultation

Consulting Services

Training

Ask an Expert

- Request Call Back
- Contact Sales
- More Contacts

Toll Free
1-888-576-9668
800-854-6026
800-345-3119

Home > Apps > Industrial Apps > iFactory/Metal

Vendor: All Pricing Model: All View Results Clear Filters

Results: 182

DeviceOn Apps

- Device Management** By Advantech
Free Free Software Trial
- Face View** By Advantech
125 Points Get it now
- Equipment to Intelligence** By Advantech
180 Points Get it now
- ePaper Management** By Advantech
100 Points Get it now
- OTA Updates** By Advantech
Free Free Software Trial

DeviceOn Dev

- Device Management** By Advantech
Free Free Software Trial
- Data Management** By Advantech
Free Free Software Trial
- Connectivity Service** By Advantech
Free Free Software Trial
- OTA Updates** By Advantech
Free Free Software Trial
- Rule Engine** By Advantech
Free Free Software Trial
- DeviceOn Security** By Advantech
Free Free Software Trial

DeviceOn 3rd Party Apps

- Application Control** By Advantech
2 Points Get it now
- Backup & Recovery** By Advantech
2 Points Get it now

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WISE-PaaS Alliance Program



◆ Regular ◆

- ✓ Free certified training
- ✓ 2% discount of cloud services

◆ VIP ◆

- ✓ 6% **discount** of cloud services
- ✓ Free certified training
- ✓ Free consultation
- ✓ Business opportunity referral
- ✓ Marketing resources

◆ Premier ◆

- ✓ 10% discount of cloud services
- ✓ Free certified training
- ✓ Free consultation
- ✓ Business opportunity referral
- ✓ Marketing resources

AloT Trend and Technology

350 Members

Energy & Environment
能源與環境

WISE-PaaS VIP Alliance

One Alliance, One Network, Limitless Opportunities

Sell to Grow

- Publish I.APP on the Marketplace
- Gain international promotion and orders



Alliance Network

- Attend Advantech IoT Partner Conference
- Gain business network through 1-on-1 meeting
- Co-marketing and case study



Speed to Market

- Get the best discount for 150+ IoT Solutions
- Instant purchase with one click
- Business consultation and technical training

ADVANTECH
WISE-PaaS
VIP Member



Join VIP

Co-Creating the Future of the IoT World

Come to Demo Room for Track B!

