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IEEE Robotics and Automation Society (RAS)
Winter School on Consumer Robotics
Las Vegas, NV, USA, Jan 4-7, 2017

Samsung SDS

Enterprise-ready Secure Mobility & Wearables

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Vice President

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Thanks for coming



80 percent of success is showing up
(Woody Allen)

izquotes.com

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AGENDA

- **Enterprise technology priorities**
- **Mobile friendly, first and only**
- **Wearable overview**
- **Security and management**
- **About Samsung & Samsung SDSA**
- **Demo**

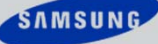
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Enterprise technology priorities

Social, **Mobile**, Analytics, Cloud (SMAC),
Wearables, Virtual Reality, IoT,
Cyber Security,
Drones, Machine Learning/AI, Conversational,
Connected/Electric/Self-Driving Cars
& Smart Robots

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Mobile: Friendly, first, & only

The Smartphone Productivity Effect:

Quantifying the Productivity Gains of Smartphones in the Enterprise



Enterprise: “An average efficiency gain of 34 percent—yes, almost one-third of their workday—from incorporating the devices into their work lives”

<https://goo.gl/cna6M0>



Tactical: Android-based biometrics capture device which offers multimodal biometric capture and onboard watchlist matching designed for use in a tactical environment <https://goo.gl/PtQRtz>



Consumer: Diabetes management system which connects an insulin pump and contiguous glucose monitoring to a android Smartphone app

<https://goo.gl/D4xBjQ>

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Mobile: Friendly, first, & only

Marines Will Use Samsung Smartphones to Order Fire Missions



<https://goo.gl/Vlahp9>

Designed for use by dismounted Marines to locate targets, pinpoint global positioning coordinates and call for close air, artillery and naval fire support using secure digital communications

Cutting the system's weight in half, from 20 to 10 pounds, and cutting the cost in half as well

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Smartwatches: TV and film



Michael Knight (Knight Rider, 1982)



Penny (Inspector Gadget, 1983)



James Bond (GoldenEye, 1995)



Spy Kids (2001): cellphone, satellite, Internet access, and TV



Agent K (Men In Black II, 2002)



Special Agent Oso (2009)

10 Greatest Smartwatches in TV and Film By Michael A. Prospero

LAPTOP Reviews Editor, <https://goo.gl/AxUftc>

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Smartwatches: Embracing

 CHANNEL NEWSASIA

Ground workers at Changi Airport get smartwatches, hands-free headsets

Posted 15 Dec 2016 23:20 Updated 15 Dec 2016 23:21



- Use Case
- Business Model / ROI
- Architecting
(Not just bundling)
- Security

<https://goo.gl/ETmvEY>

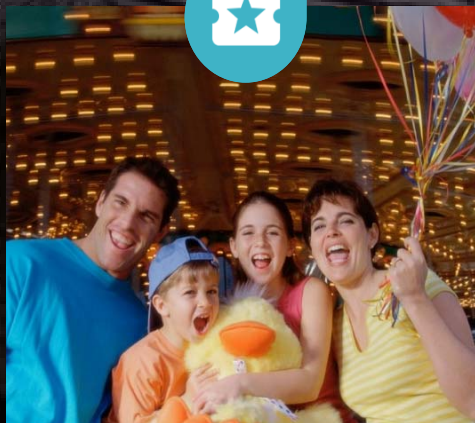
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Smartwatches: Already but yet use cases



Amusement Park

Pass for VIP
customer

Cruse

Healthcare



Airline

Communication tool for
cabin crew

Transportation

First Responder



Restaurant

Manage customer
orders or calls

Hotel

Retail

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Smartwatches: Promised Land



Cloud based Wearable Robot Controller (WRC) running on a Samsung Gear S3 Frontier controlling a Cozmo Robot by Dr. Daniel Lofaro @ GMU

https://youtu.be/_Rvp8ltYQfl

    **WRC - Wearable Robot Controller**
Running on the Samsung Gear S3 (Fronteir)

You can make the story come true

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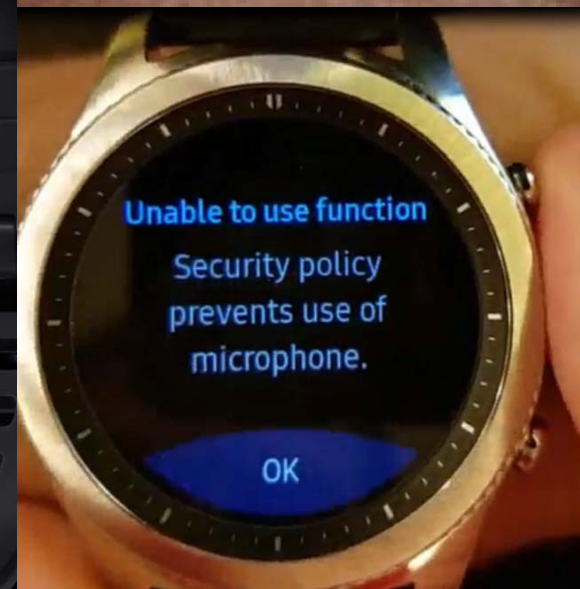
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Smartwatches: Security & Management

Samsung Knox Tizen Wearable Platform



- App Deployment
- Data Loss Prevention
- Setting Control
- Performance



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Samsung

Global technology powerhouse



~490,000
around the globe

Employees

SAMSUNG

Samsung

Ranked 7th

By the Interbrand's
Best Global Brands

Brand Value

	(\$B)	
Net Sales		305
Net Assets		521

Financial Results

Samsung's Innovation

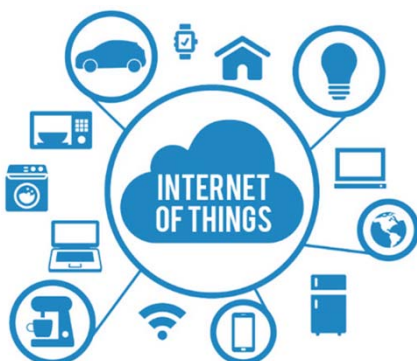
#1 in Memory, Mobility, Display and Appliances



Technology

S/W

B2B



GOVERNMENT



RETAIL



FINANCE



TRANSPORTATION



HOSPITALITY

IoT (ARTIK), Wearable (Gear S3), VR, Cloud (Joyent), AI (ViV), Smart Home (Smartthings), and Smart Car (Connected Car, Harman)

Samsung SDS

Global software solutions and IT services company

2015 GLOBAL REVENUE

\$7.2 BILLION



Trusted Partners, 30+ yrs
Experience, Secure & Mobile,
Adaptable & Flexible

INDUSTRIES SERVED:



GOVERNMENT



FINANCIAL
SERVICES



RETAIL

AREAS OF EXPERTISE:

Enterprise Mobility, Security,
Identity Access Management,
Video Analytics, Mobile Point of Sale,
Prescriptive Analytics,
Biometric Authentication,
Retail Training



INVESTING IN PARTNER ECOSYSTEM

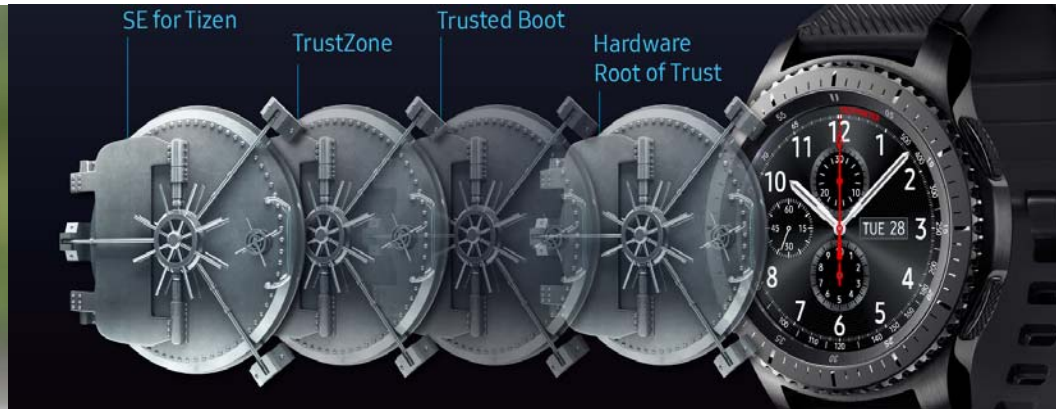
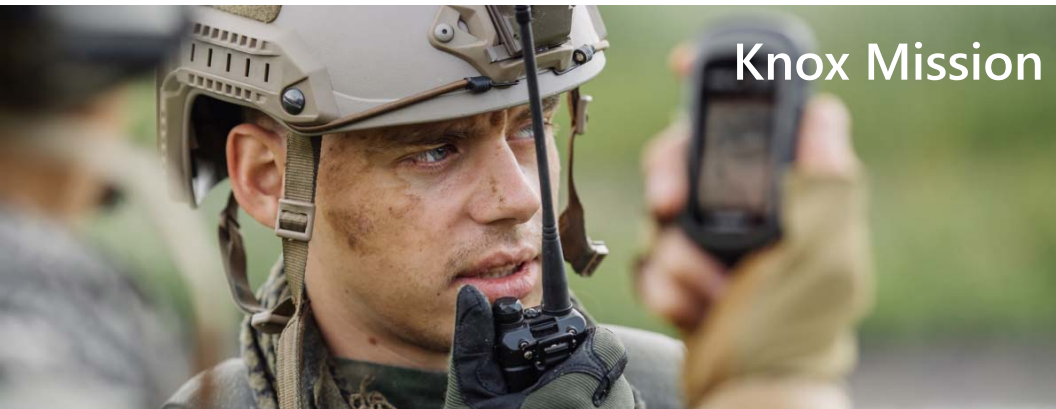
TO DELIVER CUSTOMER
LIFETIME VALUE



Received the **FIRST-EVER**
Common Criteria certification
for an EMM compliant with
security requirements of the
Mobile Device Management
Protection Profile (MDMPP)
from the National Information
Assurance Partnership (NIAP)

MEMBER OF THE **fido**
alliance

Demo



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