



15th INTERNATIONAL OPERATIONS & MAINTENANCE CONFERENCE IN THE ARAB COUNTRIES
UNDER THE THEME: “**SMART MAINTENANCE**” CONICIDE WITH THE 15TH ARAB MAINTENANCE EXHIBITION

IOT USE CASES IN PUBLIC SAFETY

JAWAD FAKIH





HOW CONNECTED ARE WE?

Connected Homes

- Smart Thermostat
- Smart Appliances
- HVAC Systems
- Security
- Smart Lighting
- Entertainment Systems

Wearables

- Fitness Bands
- Smart Watches
- Smart Glasses
- Action Cameras

Industrial Internet

- Real-Time Analytics
- Factory Automation
- Robotics
- Supply Chain Efficiency

Connected Cities

- Smart Meter Technology
- Smart Traffic Lights
- Smart Parking Meters
- Electric Vehicle Charging

Connected Cars

- Safety
- Vehicle Diagnostics
- Infotainment and Navigation
- Fleet Management



How big is the Opportunity?

Solving world hunger?

If resources were allocated **based on people's needs**, perhaps poverty and hunger could be **significantly alleviated**.

Smart farming and connected agriculture

Smart farming and connected agriculture is on its way, with **irrigation becoming more efficient**, based on real-time data, tackling the major problem of the world's water overuse.



How big is the Opportunity?

Keeping More People Alive?
Increasing Efficiency?

- **Eliminate Parking Problems**
- **Reduce Urban Traffic**
- **Reducing Waste**
- **Faster & Smarter Management of street lighting, Emergency notifications and traffic lights**
- **Energy Optimization**
- **...etc**

How big is the Opportunity?

Enhancing The Quality of Life?

Onyx Beacon, a team of young entrepreneurs based in Hungary, is using IoT to help visually impaired people use public transport

iBeacons

help visually-impaired people get on the right bus when the vehicle arrives in the station, customize complicated routes, and not get lost on their way to a precise destination”.





Public Safety in Action

Connected Safety Use Case



A ski bus is seen on its side off a road in Karuizawa, Nagano Prefecture, Friday morning. | KYODO

[NATIONAL](#)

Overnight bus crashes in Karuizawa, killing 14

KYODO

NAGANO – Fourteen people died and 26 were injured when a packed bus on an overnight journey crashed in the early hours on Friday. It was the worst toll from a bus accident in decades.

JAN 15, 2016

[ARTICLE HISTORY](#)

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VIDEO

SAFETY FACTORS

Multiple factors can put in danger a person or a group of person especially when we talk of public transportation. Below a list of these factors:

Physiology & Emotion

- Sleepy / Drowsy driving
- Alcohol
- Drug
- Angry

Driving Behavior & Attitude

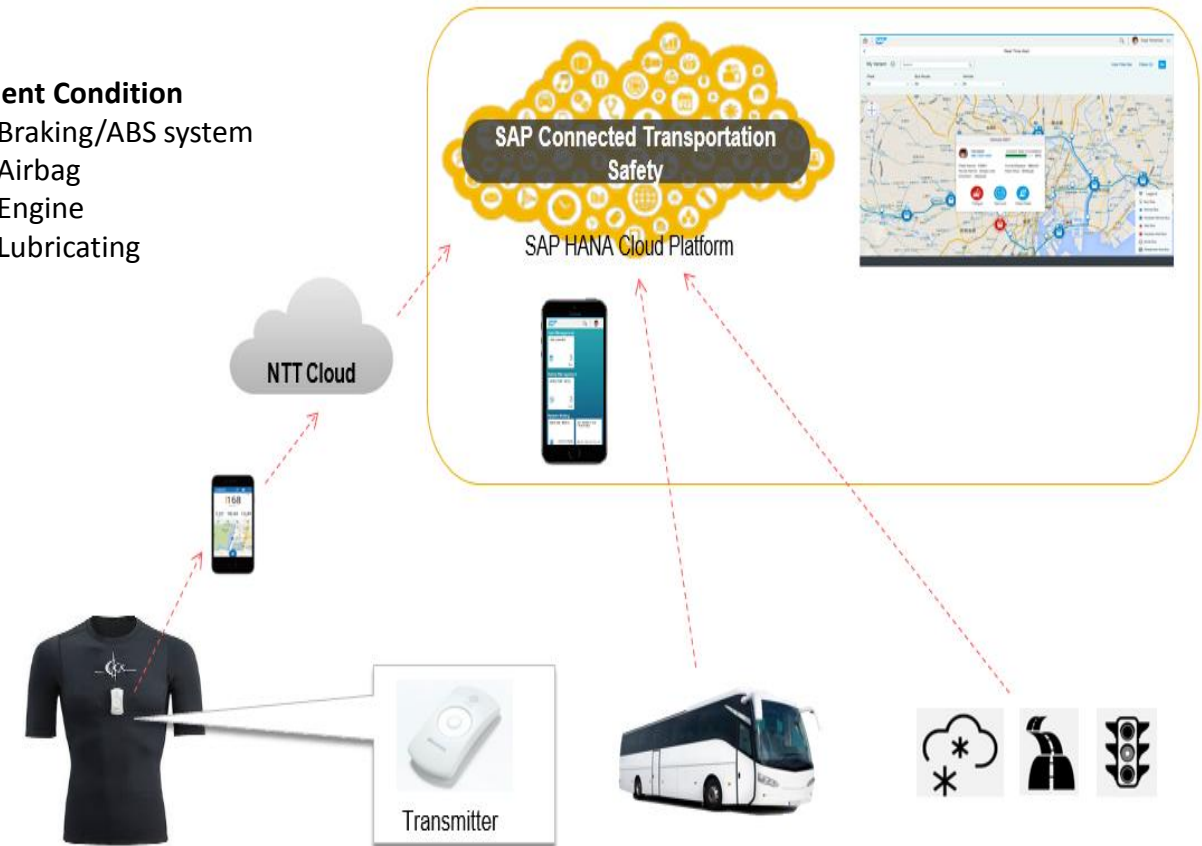
- Speeding
- Red-light running
- Seatbelt
- Cell phone use

Environment

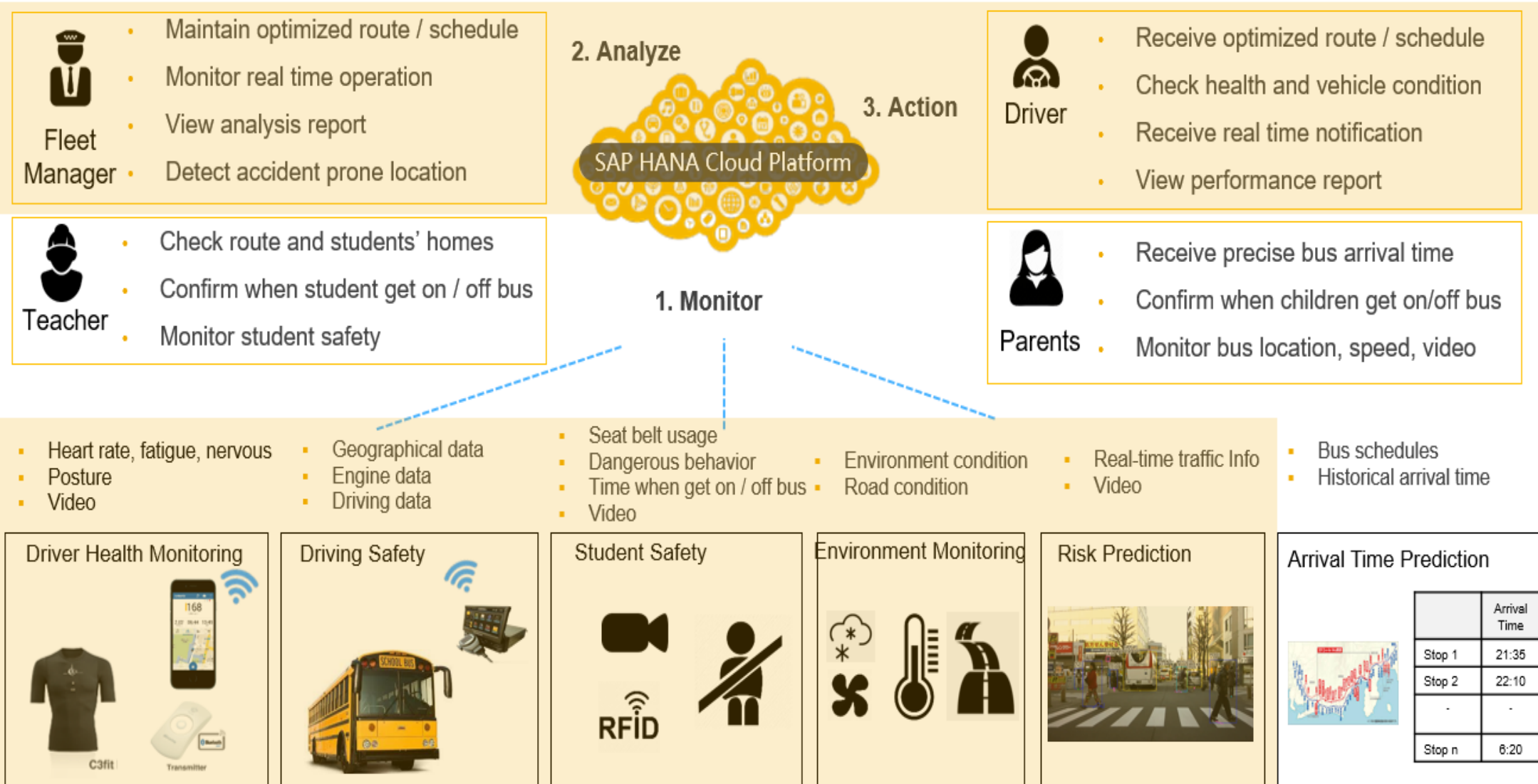
- Weather (Snow, Fog...)
- Road Infrastructure
- Traffic condition
- In-vehicle (noise, vibration, temperature, CO2 gas)

Equipment Condition

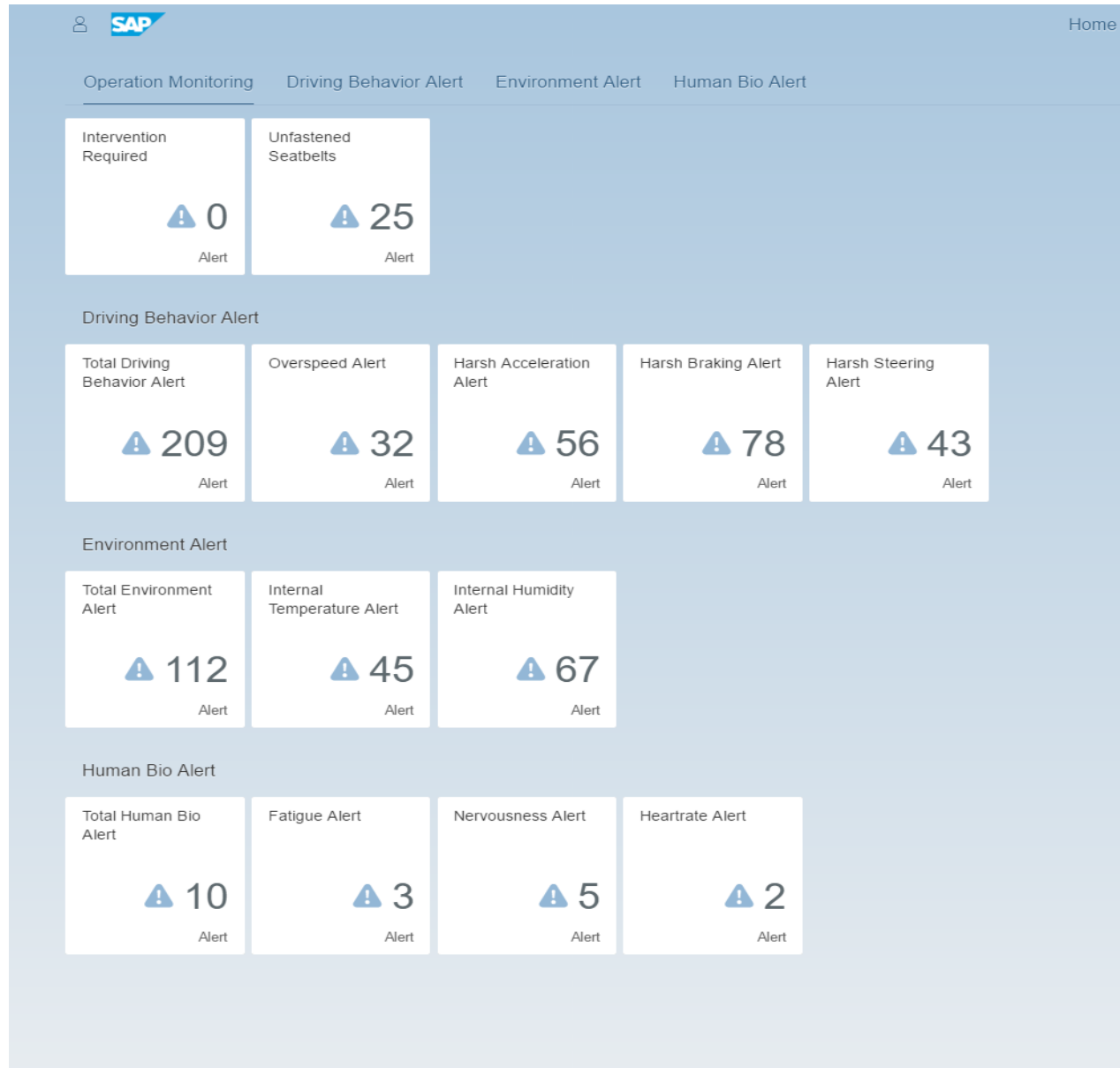
- Braking/ABS system
- Airbag
- Engine
- Lubricating



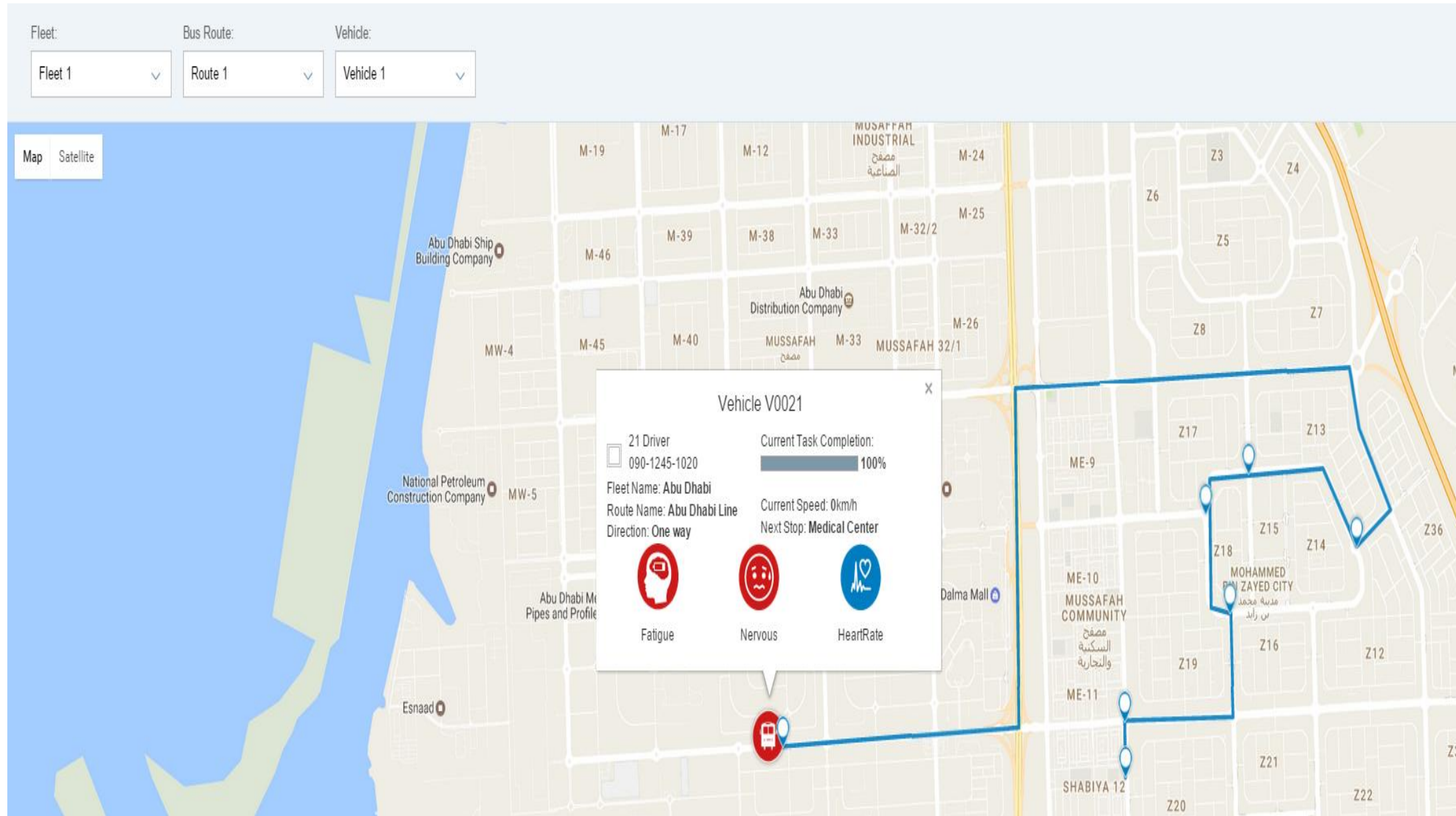
How to correlate Smart Fleet and Smart safety



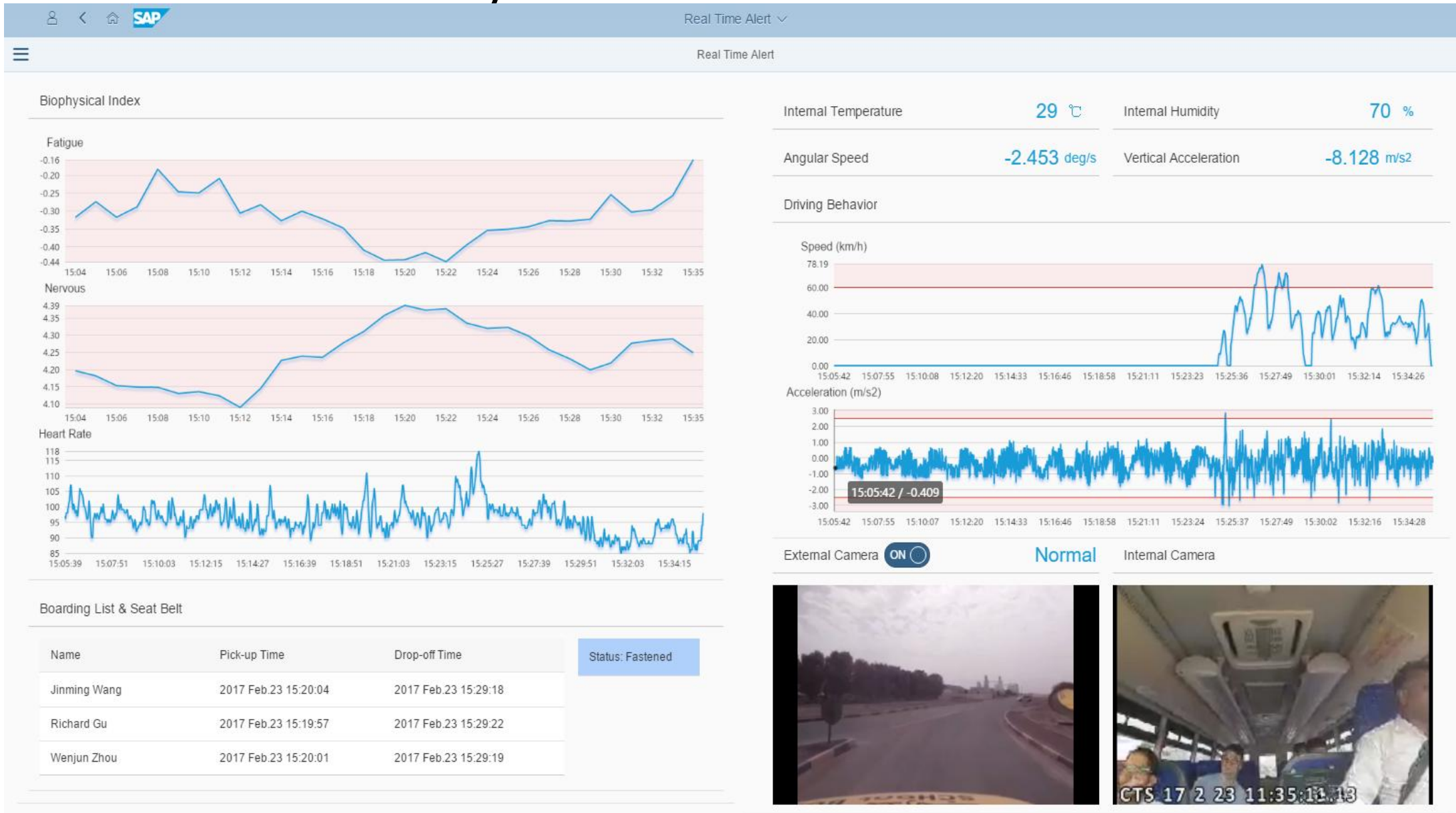
USER EXPERIENCE



USER EXPERIENCE



Real Time Analytics





The Dark Side

How safe are we in the IOT Era?

As smart products proliferate with the Internet of Things, so do the risks of attack via this new connectivity.

- Suppose a criminal were using your nanny cam to keep an eye on your house.
- Or your refrigerator sent out your shopping and eating habits to people you don't even know.
- Now imagine someone hacked into your toaster and got access to your entire network.

A vertical photograph on the left side of the slide, tinted in a reddish-orange hue. It depicts an industrial setting with a worker in a dark uniform and a white hard hat, leaning over a complex network of pipes and machinery. The worker appears to be focused on a task, possibly inspecting or adjusting a component. The background shows more industrial structures, including large vertical tanks and a dense web of pipes.

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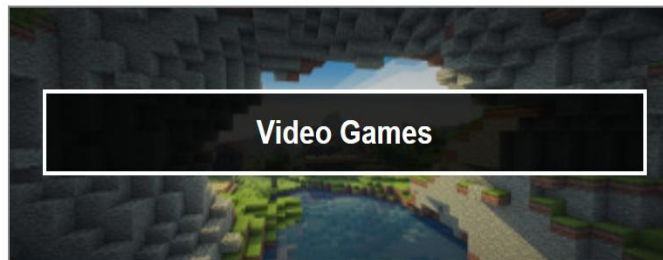
Featured Categories



Industrial Control Systems



Databases



Video Games

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9,249

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cctv

dvr

iptv

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Popularity

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POPULAR TAGS

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camera	98
scada	76
router	73
ftp	62
test	48
ip	46
server	43
http	39

19

cam D-Link

Web Cams de marque d-link

camera cam surveillance

2014-08-24

9,249

Webcam

best ip cam search I have found yet.

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12

Webcam Pictures

Very good at finding pictures of open webcams without a lot of RDP/VNC screenshots in the results.

webcam cam surveillance

2016-12-07

13

Open Webcams v2

More webcams than other queries. Better organization when "200" is used instead of "OK" in HTTP header for some reason.

webcam surveillance cams

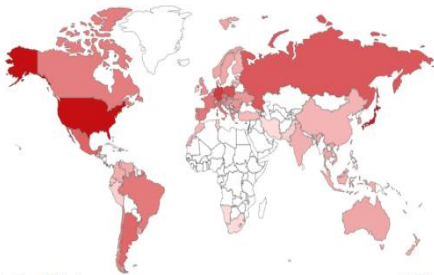
2016-05-18



TOTAL RESULTS

3,643

TOP COUNTRIES



United States	793
Japan	682
Germany	341
Poland	204
Russian Federation	166

TOP SERVICES

554	1,015
HTTP	800
HTTP (8080)	412
HTTP (83)	352
HTTP (81)	313

TOP ORGANIZATIONS

ASAHI Net,Inc.	381
Deutsche Telekom AG	221
Comcast Cable	168
Telmex	102
FreeBit Co.,Ltd.	46

RELATED TAGS:

- webcam
- surveillance
- cams

'+tm01+'

72.54.9.190

72-54-9-190.customerip.birch.net

Cbeyond Communications

Added on 2017-10-23 15:37:28 GMT

United States, Atlanta

[Details](#)



HTTP/1.1 200 OK
Server: tthttpd/2.25b 29dec2003
Content-Type: text/html; charset=iso-8859-1
Date: Mon, 23 Oct 2017 11:35:34 GMT
Last-Modified: Tue, 11 Aug 2009 10:09:05 GMT



THANK YOU!

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