UniSec Nano-satellite IoT Constellation IoT Mission
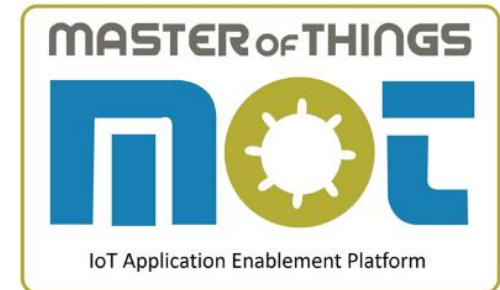
Bassem Boshra, SpimeSenseLabs CEO

SpimeSense Labs

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MASTER of THINGS
IoT Application Enablement Platform

About SpimeSenseLabs

Who are we?

SpimeSenseLabs (S.A.E) is an IoT solutions provider **established in 2013** by expertise in software development, telecom & IT industry and relies on highly qualified young professionals.

Our expertise has more than 11 years of focused IoT experience and 30 years in ICT industry, certified by global telecom vendors and have delivered innovative solutions to telecom operators & gov agencies. **Since we started, we've received multiple recognitions and rewards.**

Our vision

Internet will be containing billions of connected devices exchanging data to serve the needs of human being turning the internet to be **IoT (Internet of Things) with great impact on our life and business** where we innovate platforms and applications to facilitate various industry verticals.

Recognitions & Rewards

Dec 2019

IDC | ANALYZE THE FUTURE

● Existing Customers
● Active Trials

May 2017

EiTESAL
e-Award
SPIMESENSELABS
ICT Technology Enterprise

ward Recognition
ICT Digital Service

Best Technology Enterprise

April 2016

Round 9 finalist award

MIT ENTERPRISE FORUM ARAB STARTUP COMPETITION

March 2016

Member of
m2m
alliance

Oct 2015

sigfox

Platform of the month

Nov 2014

Innovation Excellence Award

CAIRO INNOVATES
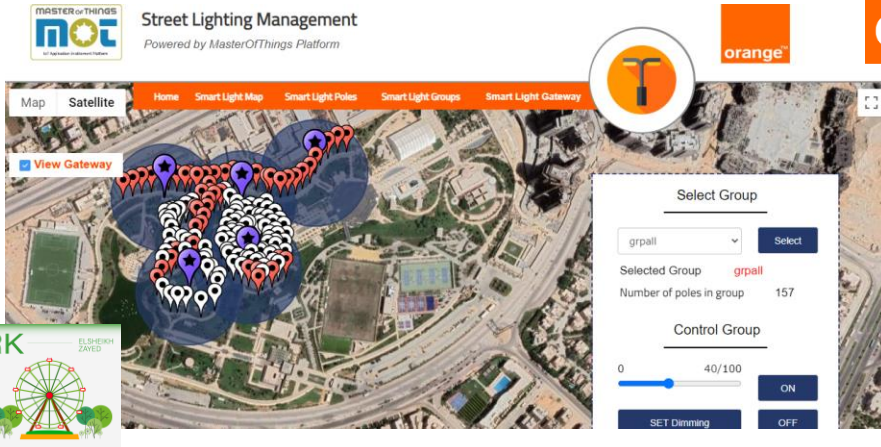1st Cairo International Exhibition of Innovation
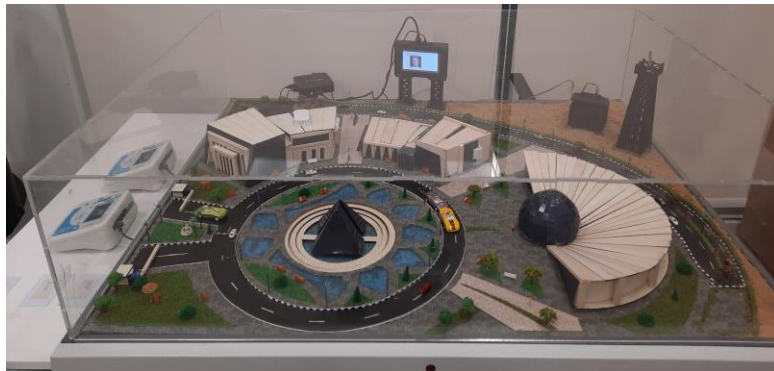معرض القاهرة الدولي الأول للابتكار

Some of our existing customers and projects

The IoT Platform & solution provider for all Orange Egypt corporate customers.

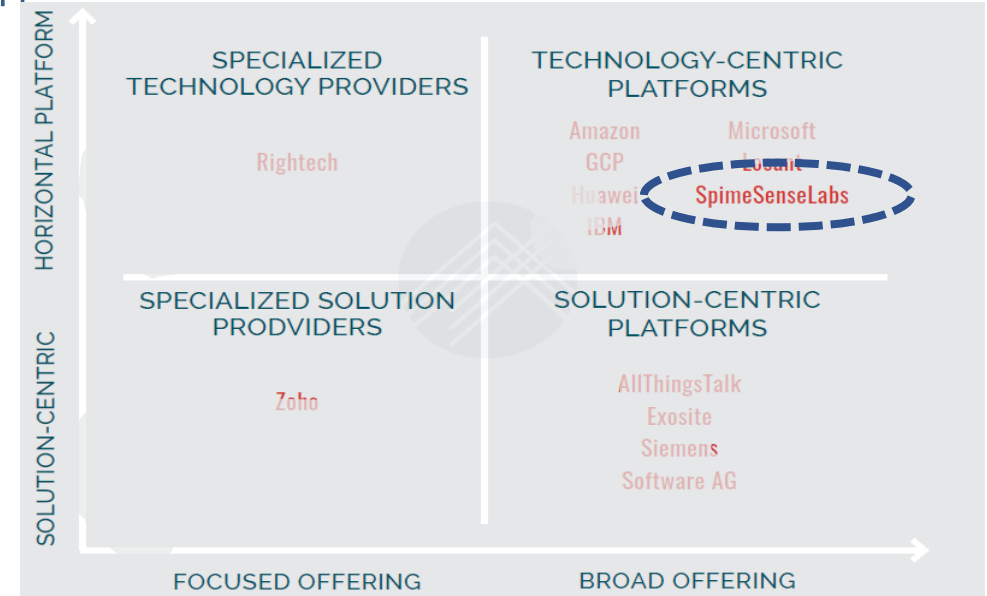**Recognized globally as "Horizontal IoT Platform" with "Broad offering"** in IoT Application Enablement Platform (AEP) Scorecard **international reports** by MachNation

Selected by MCIT as platform for 12 IoT innovation & Edu labs all over Egyptian governorates.

Reports are available at Web Link to report

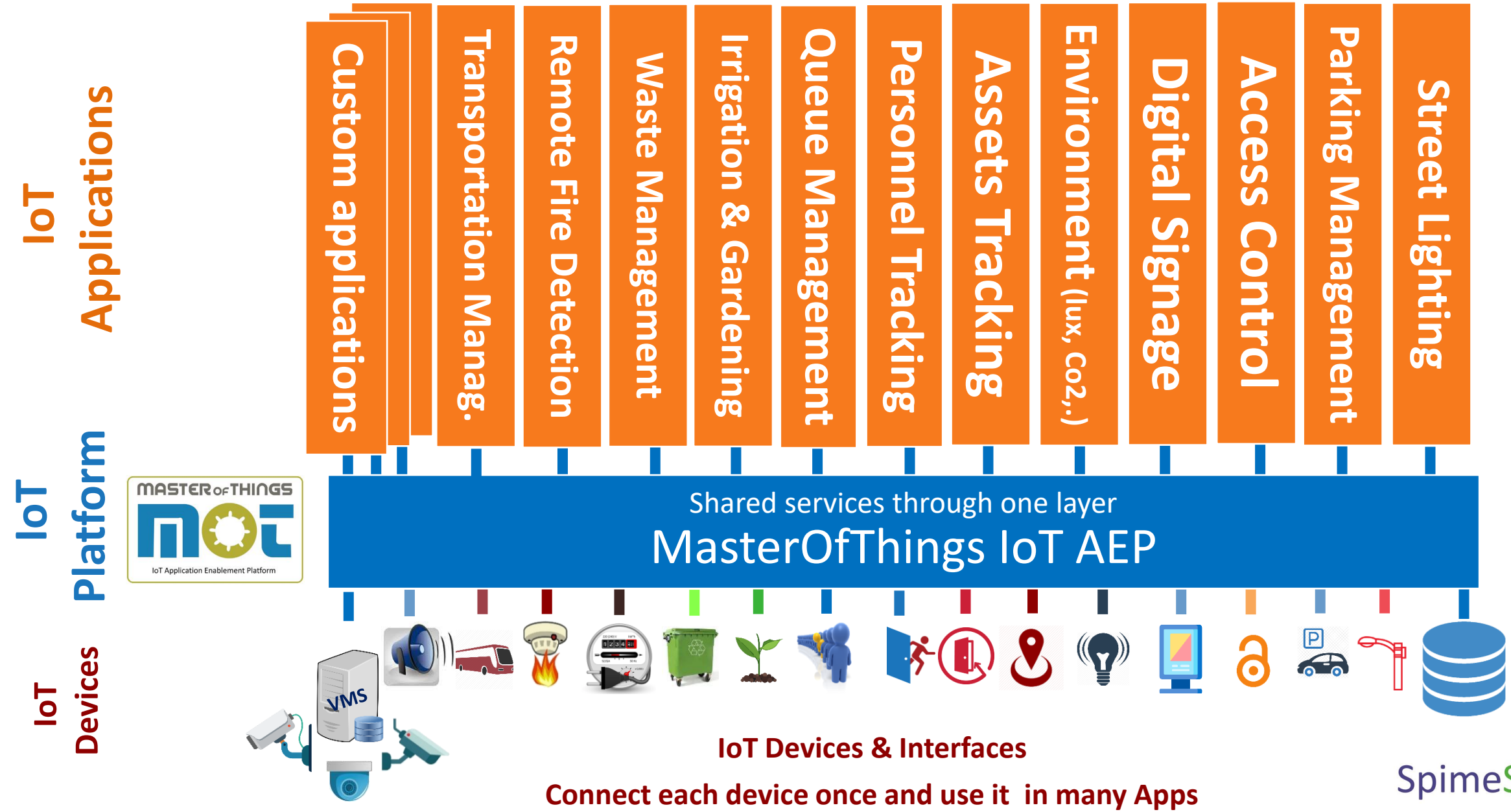**More Information about IoT labs are available at** https://lnkd.in/daJ5Ceki

Smart Transportation Station (10 IoT solutions) for Upper Egypt Development Agency (governmental org)

More info and video from the field is available at:
https://www.youtube.com/watch?v=f1r1j1bEB34
https://www.youtube.com/watch?v=gEVuCaXJg80

SpimeSense Labs

Existing IoT solutions for Smart cities, gated communities & complexes.

IoT Applications

- Custom applications
- Transportation Manag.
- Remote Fire Detection
- Waste Management
- Irrigation & Gardening
- Queue Management
- Personnel Tracking
- Assets Tracking
- Environment (lux, Co2,.)
- Digital Signage
- Access Control
- Parking Management
- Street Lighting

IoT Platform

MASTER of THINGS
MOT
IoT Application Enablement Platform

Shared services through one layer
MasterOfThings IoT AEP

IoT Devices

VMS

IoT Devices & Interfaces

Connect each device once and use it in many Apps

SpimeSense Labs

SpimeSenseLabs Mission in UniSec Nano-satellite IoT Constellation

Emergency communication device as mobile 📱 accessory to use in remote areas where there is no mobile network 🚫📱 coverage.

- Useful for the safety of tourists and their tour guides in remote areas (I.e Safari areas 🏞️, desert areas 🏜️, or on top of mountains ⛰️, teleferic 🚠, on a boat or ship 🛳️ in the ocean 🌊, etc.) whether to communicate safety status or SOS emergency request.

- Useful for engineers & technicians doing maintenance work in remote areas.

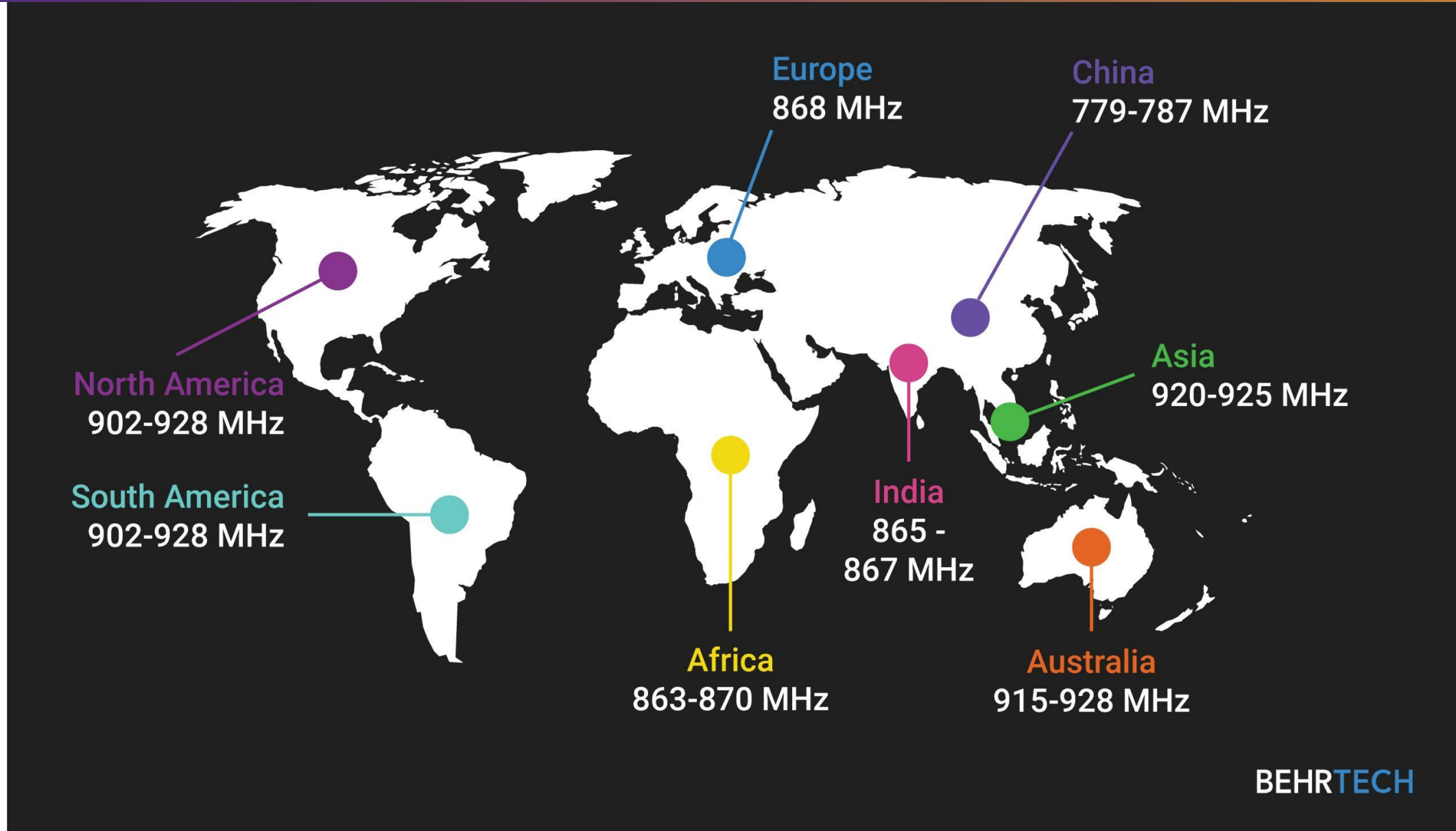- Useful for emergency rescue missions and their staff in disaster recovery.

Type your own message here

Send

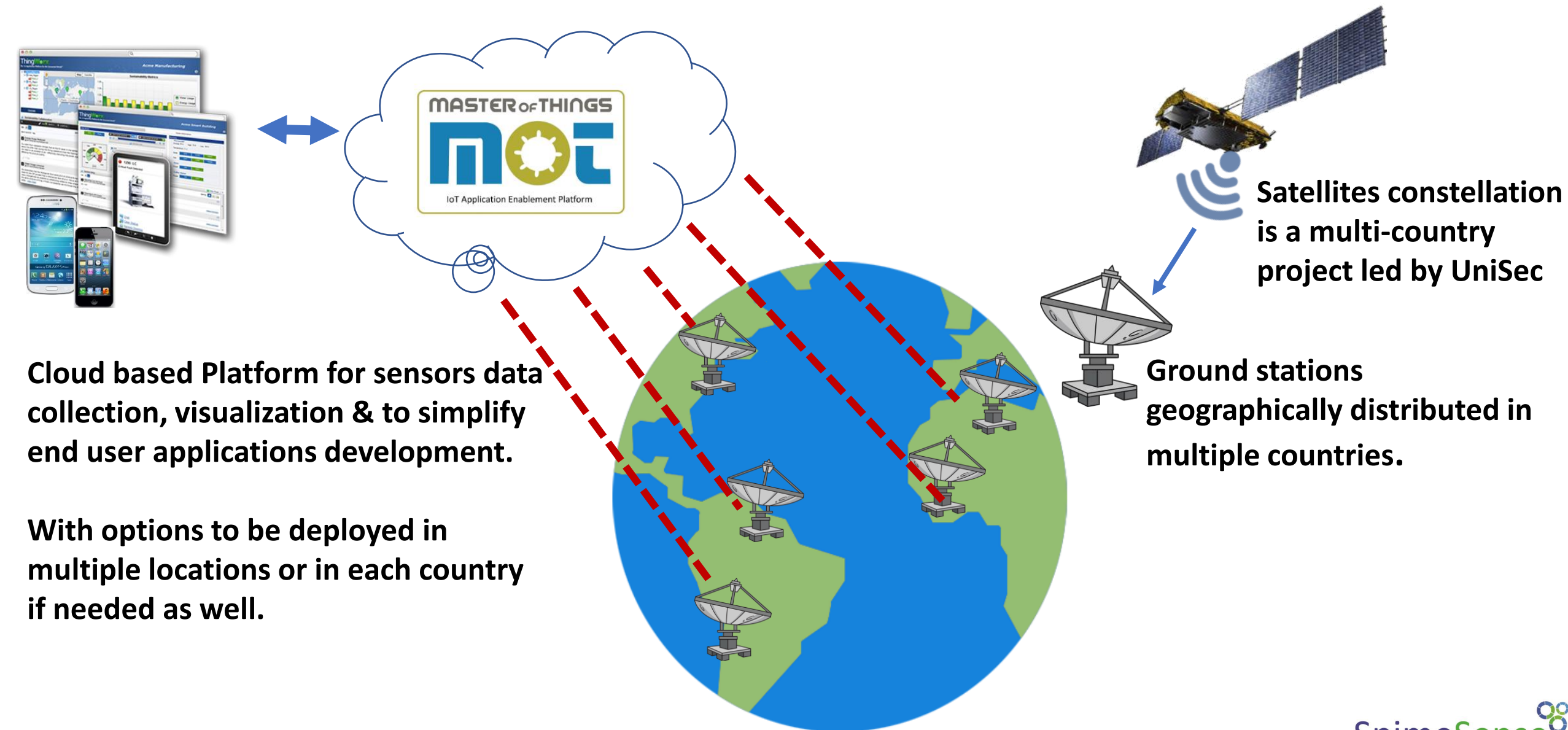I'm safe and sound in a beautiful place

My leg is broken and I need help

SpimeSense Labs

The need for SDR due to variation in unlicensed frequency range in every region

www.**S**pime**S**ense**L**abs.com   Info@SpimeSenseLabs.com

IoT Platform for UniSec Nano-satellite IoT Constellation

Satellites constellation is a multi-country project led by UniSec

Cloud based Platform for sensors data collection, visualization & to simplify end user applications development.

With options to be deployed in multiple locations or in each country if needed as well.

Ground stations geographically distributed in multiple countries.

www.**S**pime**S**ense**L**abs.com

Info@SpimeSenseLabs.com

SpimeSense Labs

Thank You all & you are a welcomed partner.

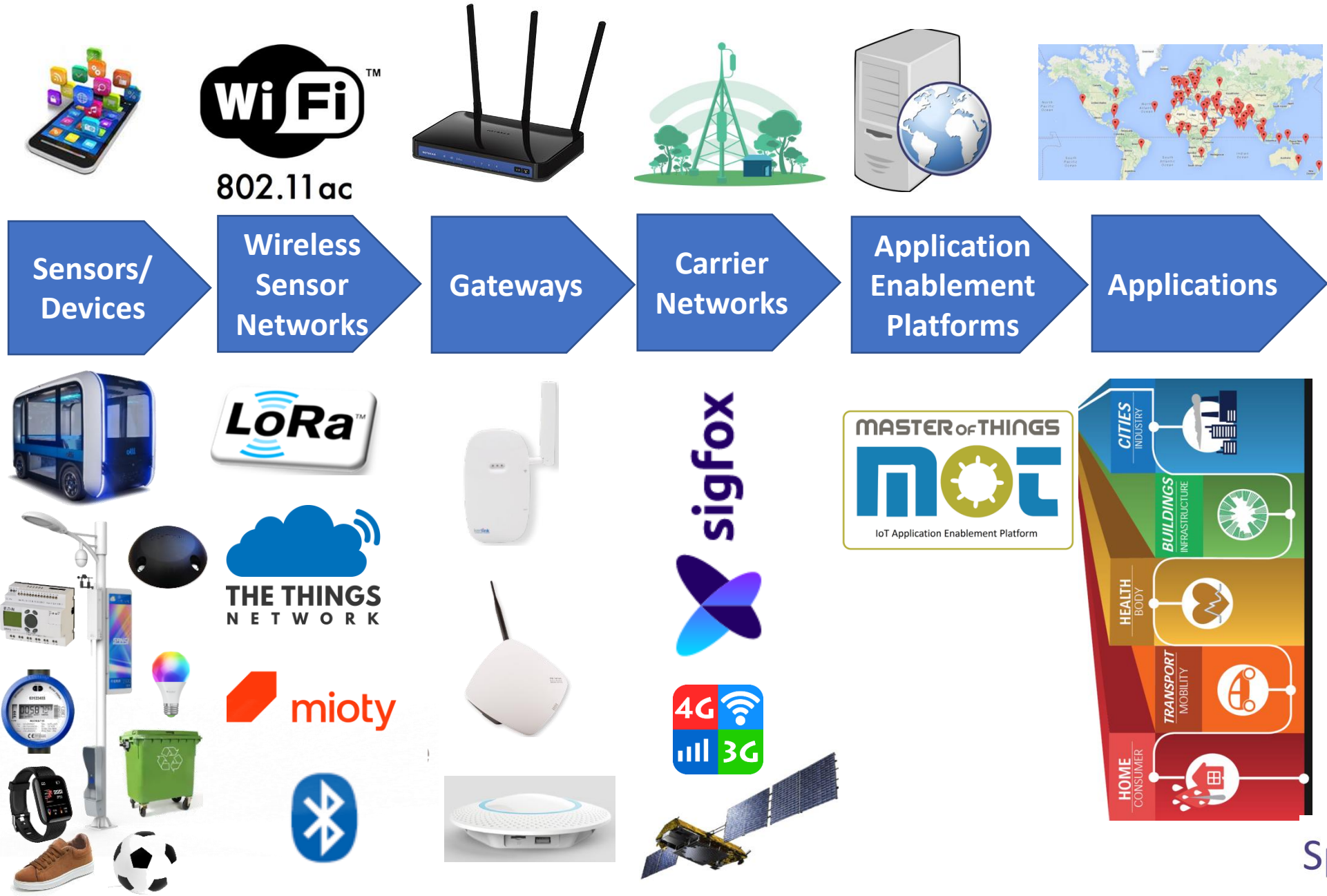"in SpimeSenseLabs, we have zero-tolerance for bribery and corruption activities. We are committed to acting professionally, fairly, and with integrity in all business dealings and relationships, wherever we operate."

www.**S**pime**S**ense**L**abs.com

https://lnkd.in/daGu9g9n

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Next slides are Extra slides that could be used to answer the audience questions

IoT Value Chain

Sensors/Devices → Wireless Sensor Networks → Gateways → Carrier Networks → Application Enablement Platforms → Applications
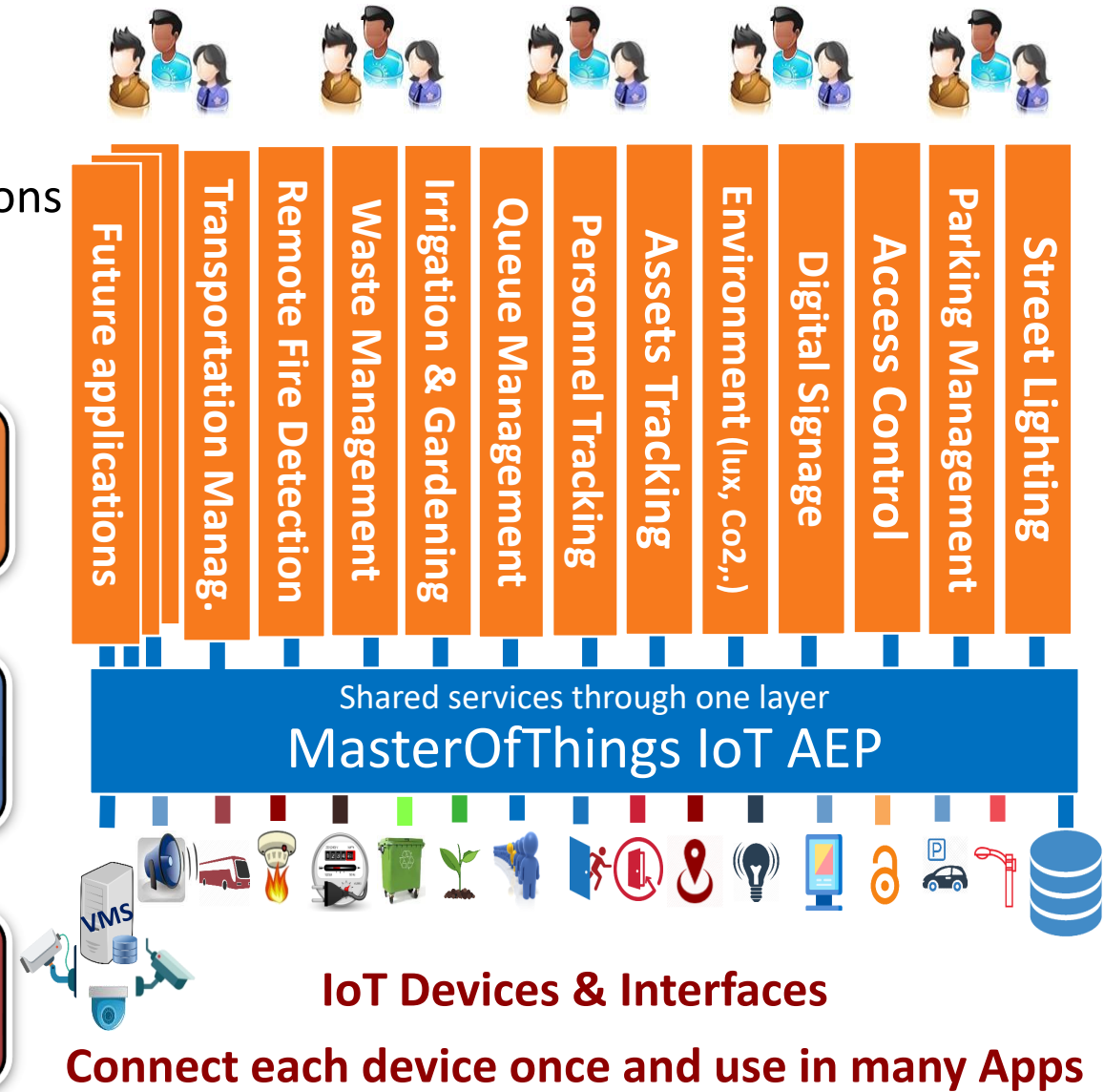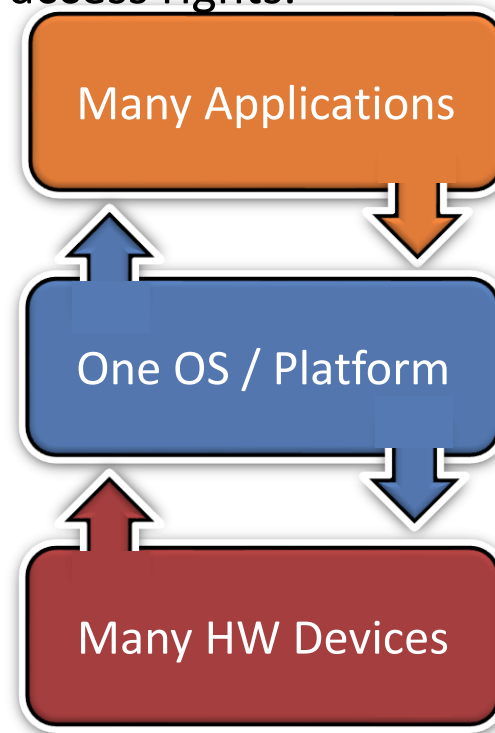
MasterOfThings platform for a telecom operator, city, campus or complex is like an Operating System for a computer

All SW applications managed by & running on top of the **MoT platform** (**Operating System**) gain controlled access to **physical HW devices** in the city/campus (computer).

All HW devices are connected once and used in many applications according to device authentication, data encryption, etc.
SW Developers, Help desk and end users access each of the applications according their user groups access rights.

Many Applications

One OS / Platform

Many HW Devices

Future applications
Transportation Manag.
Remote Fire Detection
Waste Management
Irrigation & Gardening
Queue Management
Personnel Tracking
Assets Tracking
Environment (lux, Co2,.)
Digital Signage
Access Control
Parking Management
Street Lighting

Shared services through one layer
MasterOfThings IoT AEP

IoT Devices & Interfaces

Connect each device once and use in many Apps

MasterOfThings IoT Platform online courses available at MaharaTech

Maharatech.gov.eg is a high-tech self learning portal sponsored by Egyptian MCIT (Ministry of CIT) for national youth capacity building program. MCIT decide to use MasterOfThings as the IoT Platform for the program

IoT Value Chain

IoT Career Roadmap

IoT Applications Development

Advanced IoT Custom Event & Plugin Development

Mobile IoT Applications Development

IoT Lab Hands-on Devices

Ministry of Communications and Information Technology

Information Technology Institute

Mahara▶Tech
Information Technology Institute Platform

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