



## **LOGISTICS OF THE ENERGY REVOLUTION**

INNOVATING  
ENERGY SUPPLY  
CHAINS



**POWERING  
OUR WORLD,  
TOGETHER**

DELIVERING EXCELLENCE  
TO THE ENERGY SECTOR

## **DHL ENERGY REGIONAL CONFERENCE 2022**

# **Innovation in Action: IoT – Achieve actionable logistics insights that drive change and new solutions**

**Jordan Racek**  
**IoT Product Development Manager,**  
**DHL Customer Solutions & Innovation**

# IOT SHAPING THE WAY WE LIVE



Go to [www.menti.com](https://www.menti.com) and use the code 2856 3667

## Welcome to the IoT Breakout Session

Go to  
[www.menti.com](https://www.menti.com)

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**2856 3667**



Or use QR code



Go to [www.menti.com](https://www.menti.com) and use the code 2856 3667

The code lets your audience join the presentation. It expires in 2 days.

## What type of IoT devices do you use in your personal life?

0



Wearables

0



Smart Home

0



Home Assistants

0



Gaming

0



Trackers





# IOT USE CASES IN LOGISTICS

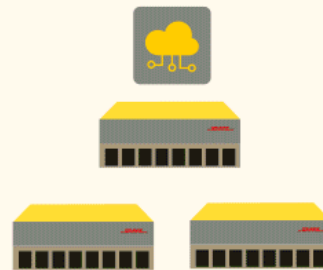
## VARIOUS INTERNET OF THINGS (IOT) USE CASES IN LOGISTICS SMART OPERATIONS



Inventory Management



Asset Utilization



Connected Warehouse

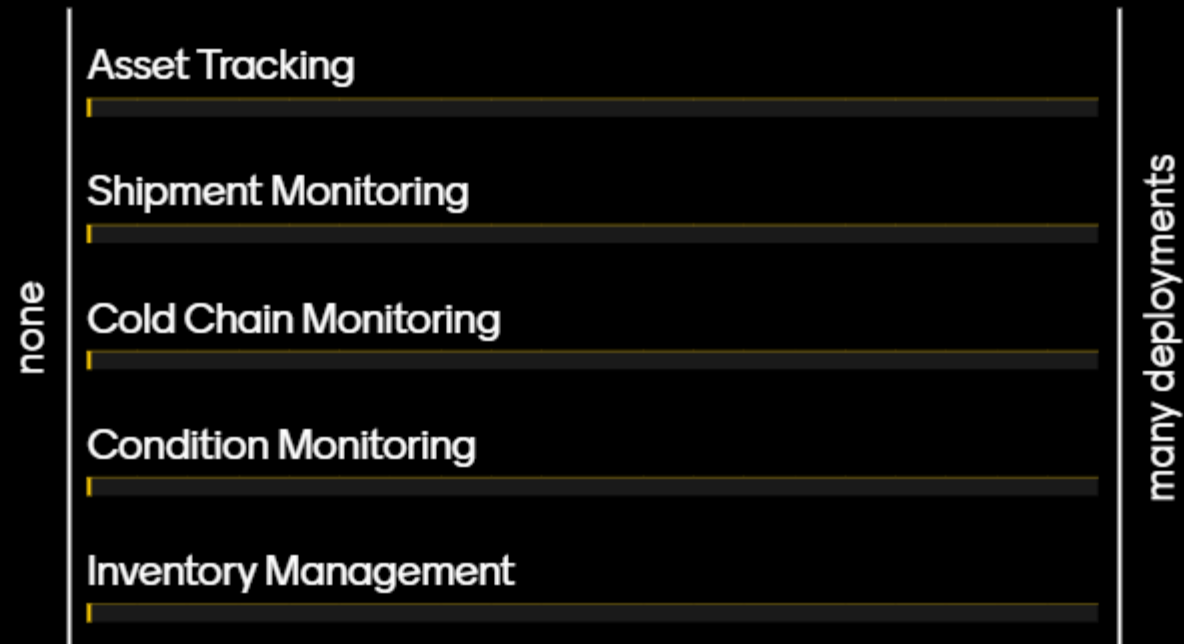


Energy Management

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# Which of the use cases do you have IoT deployments today?



# USE CASE EXAMPLE: FLEET TRACKING



**LOCATION**



**OPTIMIZATION**



**SECURITY**



# LIVE SHOWCASE: TRACKING THE FLEET OF DHL EXPRESS DUBAI



# WHAT'S NEXT?



**CONNECTIVITY  
EVERYWHERE**

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# Where would you see further use cases in your organizations?

Press S to show image

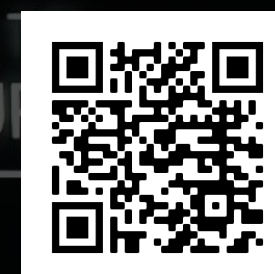


# IOT ECOSYSTEM FACES IT'S OWN CHALLENGES

SUSTAINABILITY  
**CONNECTIVITY**  
LEGAL  
**SHORTAGES OF HARDWARE**  
**COMPONENTS SHORTAGE**  
INFRASTRUCTURE DESTRUCTION  
**SECURITY RISKS**  
BANKRUPTCIES  
GPS HACKING  
SECURE IoT SET UP  
**BATTERY LIFETIME**  
SUNSET OF TECHNOLOGIES (2G/3G)

# THANK YOU

GET IN TOUCH  
[MEAIC@DHL.COM](mailto:MEAIC@DHL.COM)





***SMARTSENSOR***

**#WHENVISIBILITYMATTERS**  
**#WHENCONDITIONMATTERS**  
**#WHENQUALITYMATTERS**

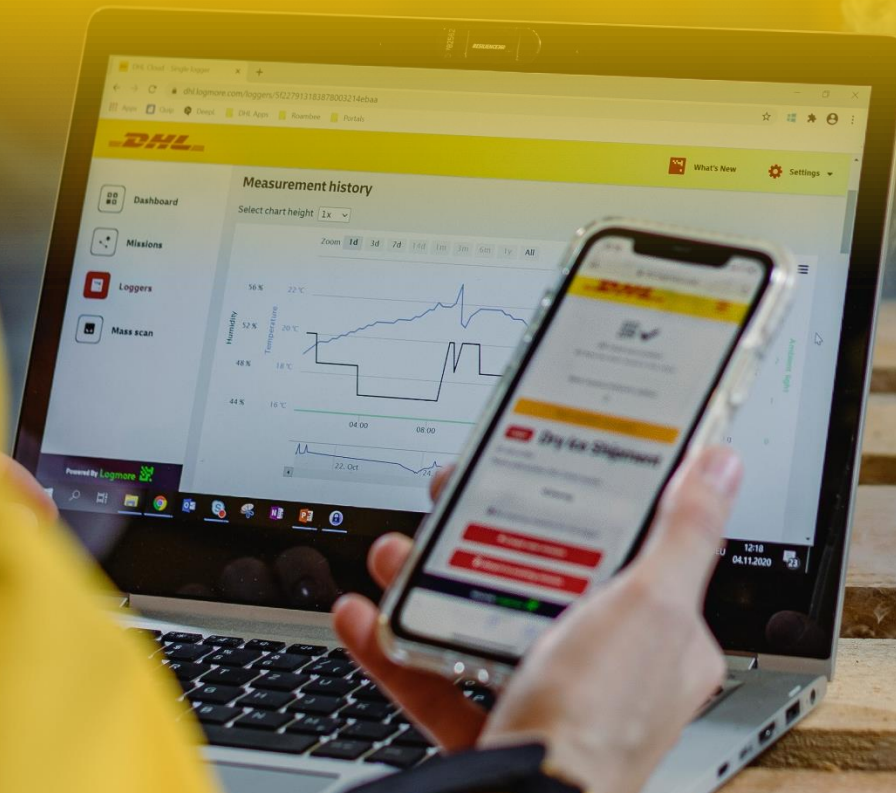




**SMARTSENSOR**

# NEXT LEVEL VISIBILITY

INTERNET OF THINGS & NEXT GENERATION WIRELESS





**SMARTSENSOR**

# NEXT LEVEL VISIBILITY

INTERNET OF THINGS & NEXT GENERATION WIRELESS



# IOT – WHY NOW?

IoT enables a transformative business opportunity by solving visibility challenges, creating value for customers and making operations more efficient



**Increasing** customer expectations regarding **end-to-end visibility** and proactive supply chain management



**Decreasing costs** of sensor hardware and data transmission as well as **network expansion**



**Higher battery life** through networks with low bitrate optimized for power consumption or energy harvesting



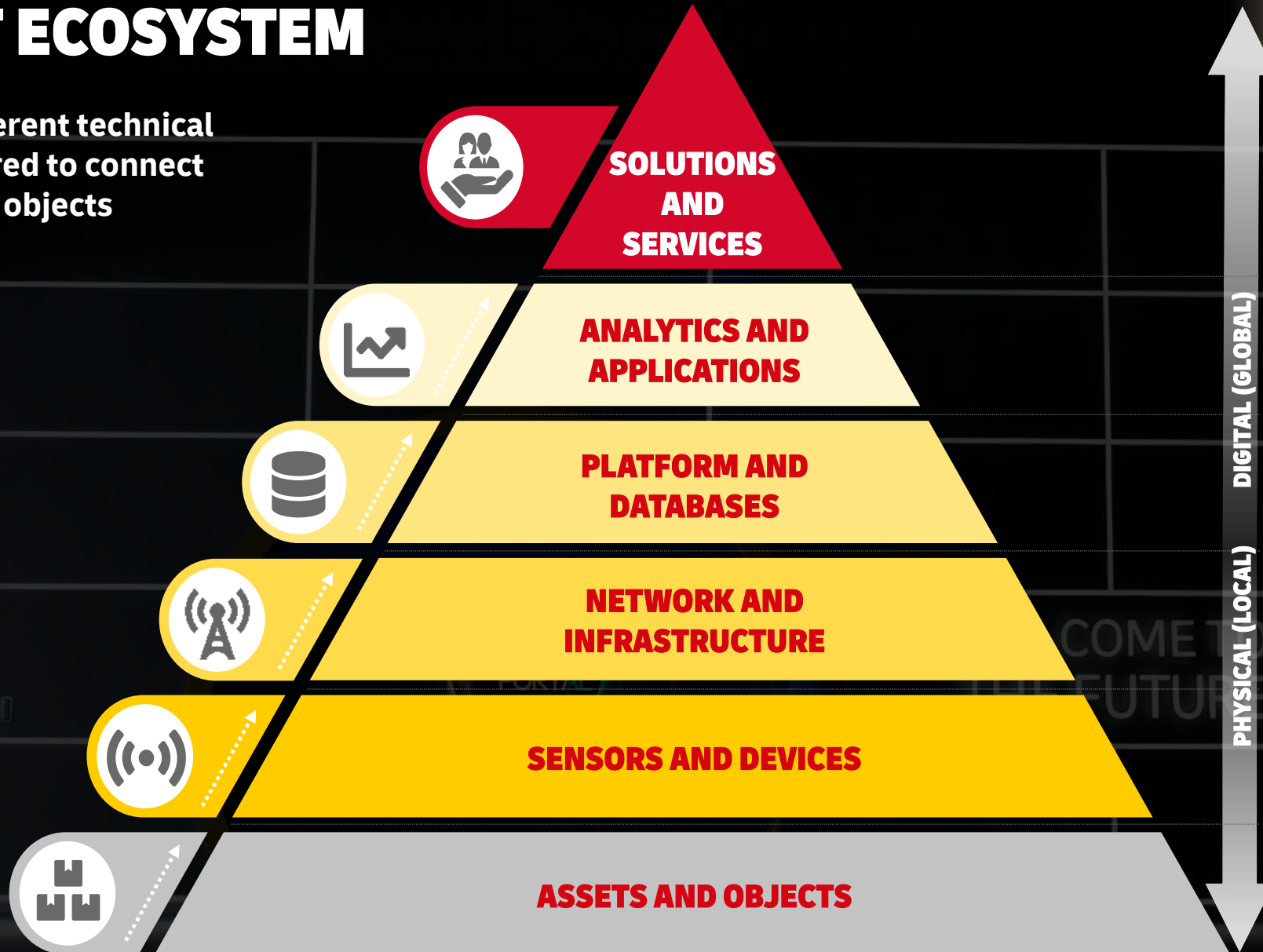
**IoT Sensor technology** offers opportunities to collect and leverage data for valuable business intelligence



Supply Chain **blind spots** due to complex and fragmented operations involving **many actors**

# THE IOT ECOSYSTEM

A setup of different technical layers is required to connect our assets and objects





# Thank you



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