GENERAL
NETWORK.
INTERNET OF THINGS

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GENERAL NETWORK.
INTERNET OF THINGS

Who We Are…

The only licensed operator of IOT COVER all of Jordan according to the Telecommunications Regulatory Commission (TRC) & the only country in our region have this technology , in cooperation with LoRa & kerlink communication is everything , with a soled structure based on a professional expertise.

Established in 2020

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The Board

Ali Al Shibli
CEO

Eng. Maadh Al Bayati
Vice President

Nader Ghannam
Board Member

Eng. Ahmed Al Rawi
Board Member

The Board

Eng. Watheq Al Azawy
Board Member

Mohammad Ghannam
Board Member

Nidal Obaidat
Board Member

Our Strategic Framework

To initiate and implement IOT infrastructure & network to cover whole area of Jordan & make it a SMART country , enabling all mentioned aspects & sectors to utilize the benefits of such network .

And to provide the best service of IOT network for the Jordanian community & government.

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Our Strategic Framework

Focusing in all sectors, whether in the HealthCare, agriculture & industrial fields, as well as explaining that it is possible to automate homes, supply management & corporate processes.

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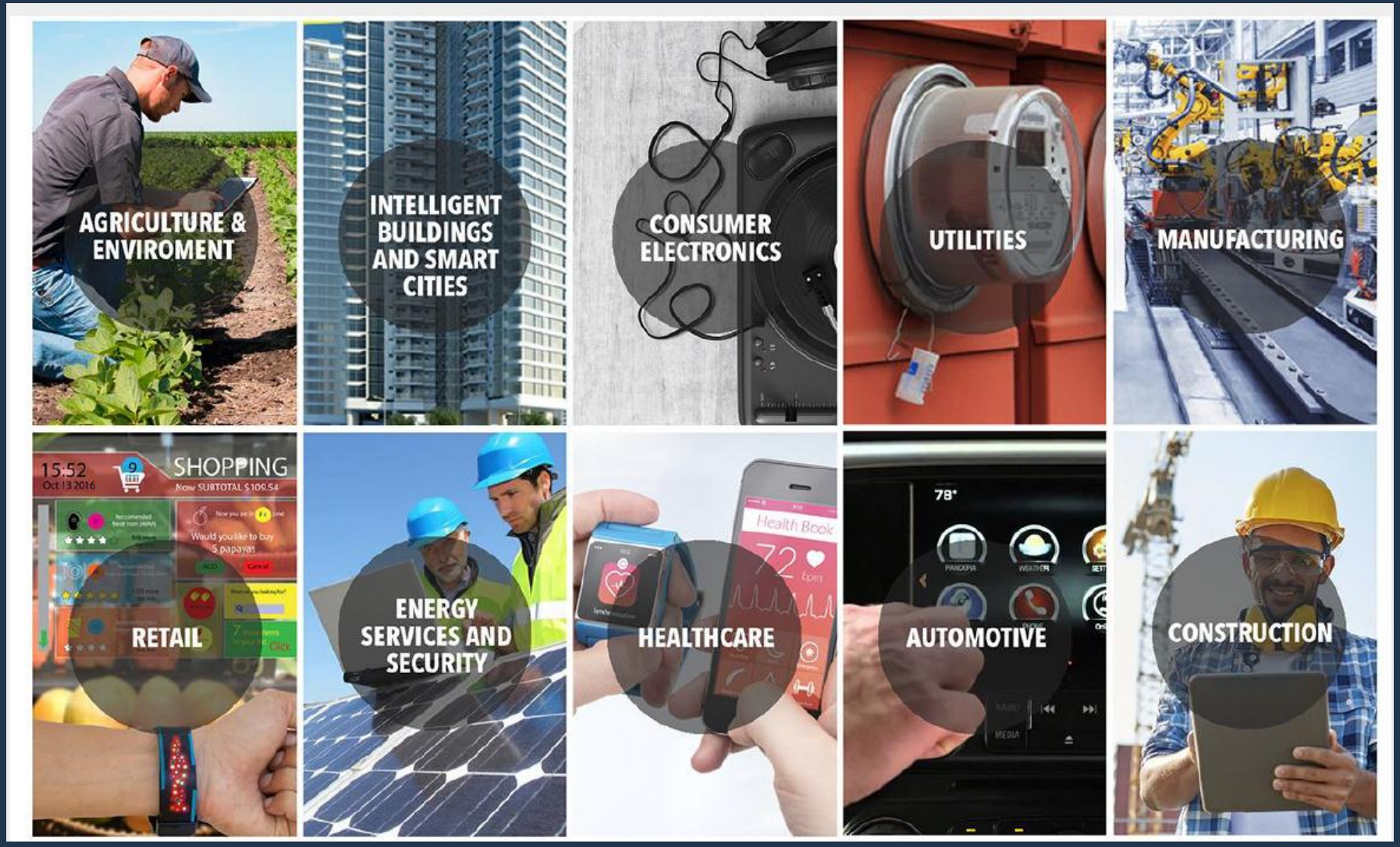
IOT APPLICATIONS



IOT Features

True location

- Indoor and outdoor
- Position monitoring

Bidirectional

- Bidirectional
- Scalable capacity
- Broadcast

Long range

- Greater than cellular
- Deep indoor coverage
- Star topology

Max lifetime

- Low power optimized
- 10-20 years lifetime
- >10x vs cellular M2M

Global mobility

- True mobility
- Seamless
- Roaming

Security

- Unique ID
- Application
- Network

Multi-usage

- High capacity
- Multi-tenant
- Public network

Low cost

- Minimal infrastructure
- Low cost end-node
- Open software

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Our Services

The services of IOT is unlimited, and it can be related on EVERYTHING… In the next slides we will show you some of IOT services.

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Smart City / Smart Village

Wi-Fi use cases

- Personal Area Networks
- High speed surfing
- Broadband services for citizens and tourists
- Land page promotion and additional services
- Seamless roaming
- Citizen communication
- Free Wi-Fi programs
- Tourism survey
- Smart building
- Smart health (hospitals)
- Smart village

Hybrid use cases

- Hybrid asset tracking and location services
- Leverage existing Wi-Fi networks
- Hybrid video streaming on demand
- Hybrid video camera piloting

LoRaWAN® use cases

- Water/ gas/ electricity metering
- Streetlights energy and maintenance
- Traffic light monitoring
- Predictive maintenance
- Waste management
- Noise and air quality monitoring
- Optimized Parking management
- People counting
- Manhole monitoring
- Social adult and elderly people care
- Smart building
- Smart health (hospitals)
- Traffic optimization

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Automotive/ Smart transportation

Wi-Fi use cases

- Connected car
- Access control
- Wi-Fi hubs
- Broadband services
- Land page promotion services
- People counting
- Security (cameras)
- Seamless roaming (open authentication)
- Tracking and location
- Asset tracking and logistics
- Passenger entertainment
- Reservation
- Car sharing

Hybrid use cases

- Location services.
- Leverage existing Wi-Fi networks

LoRaWAN® use cases

- Asset tracking/ logistics
- Inventory / supply chain
- Fleet tracking
- Vehicle maintenance
- Speed management
- Vehicle tire pressure
- Guidance and control systems
- Compliance management
- Parking management
- Smart vehicle
- Toll / ticketing system monitoring
- Driver safety

Smart home

Wi-Fi use cases

- Billions of personal and professional devices deployed in the home
- Home safety
- Entertainment

Hybrid use cases

- Embed LoRaWAN®
  Pico gateway in home hubs relying on Wi-Fi back-haul

LoRaWAN® use cases

- Home security and access control
- Energy saving
- Water Leak detection
- Smart lock
- Outdoor garage, gate status
- Door/ window opening
- Alarm system back-up and anti-jamming.
- Smart lighting
- Asset tracking and people / pet geo-fencing
- Garden irrigation monitoring
- Swimming pool monitoring
- Pest traps
- Mail box/ Drop box monitoring
- Insurance use cases

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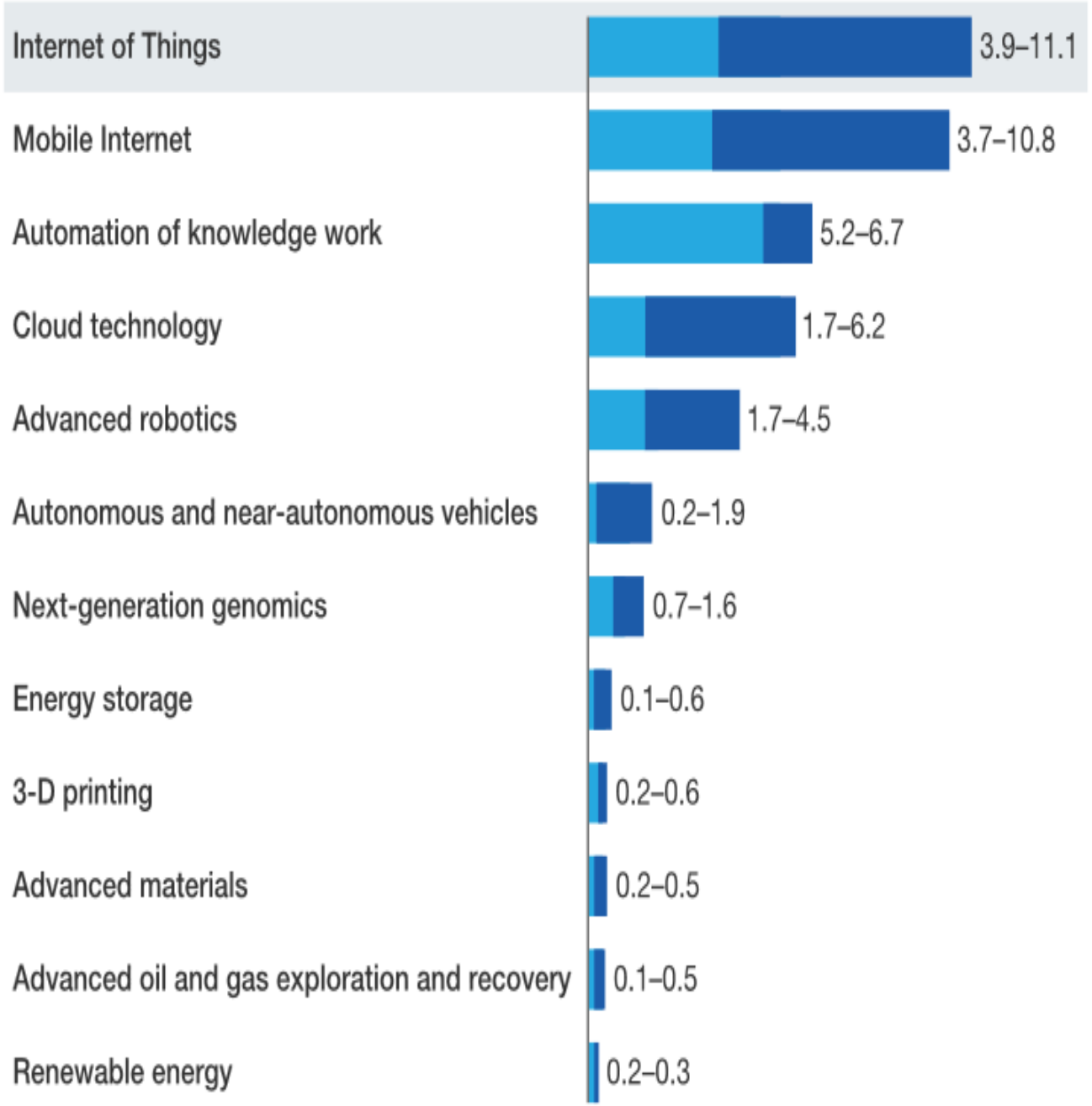
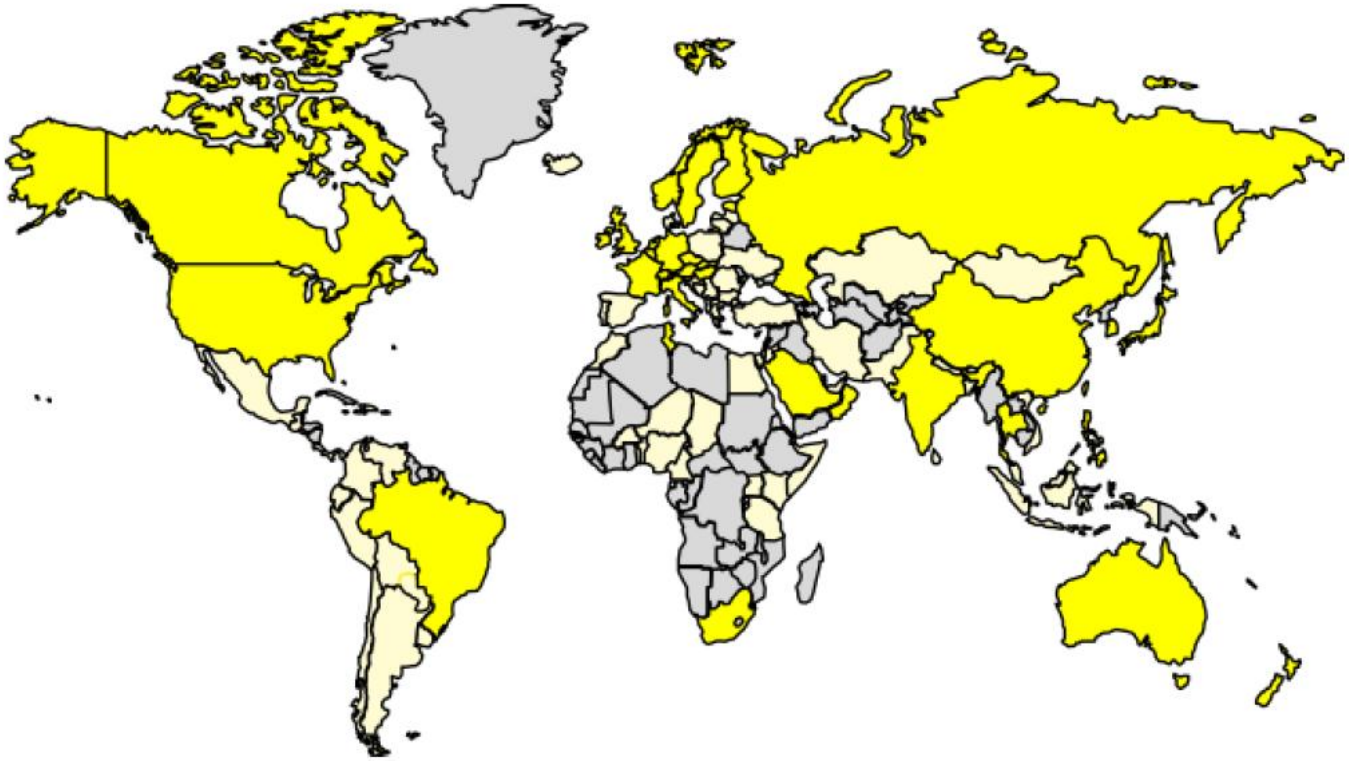


The Internet of things will have substantial economic impact by 2025 among a list of disruptive technologies {Trillion per Year}

LoRaWAN™ network deployments

LoRaWAN



- 88 network operators
- Operating in 50 countries
- Near 100 Countries with LoRaWAN deployment

Legend:

- Alliance Member Public Networks
- Other LoRaWAN deployment

Source: LoRa Alliance

IOT Statistics

How Many IOT Connected Devices Are There?

1. There Will be 41 Billion IOT Devices by 2027.

That's a lot of devices. When looking at the raw number of connected devices **Business Insider** predicts will be connected to the internet by the end of the decade, it's easy to lose sight of how large the figure actually is. For context, take a moment to look at the difference between a million and a billion in terms of time:

One million seconds is roughly equal to 11.5 days.
One billion seconds is roughly equal to 31.75 years.

The difference between a few million IOT devices and a few billion, then, is quite staggering. Other estimates that push I IOT projections farther into the future provide even more striking numbers, forecasting as many as 125 billion IOT devices by 2030.

IOT Statistics

2. By 2023, 70% of Automobiles Will Be Connected to the Internet.

Autonomous vehicles are coming, whether people like it or not. While precise numbers are difficult to determine, the automotive industry alone has invested over $100 billion on research and development of self-driving cars over the last five years alone. While driverless cars may not be taking over the highways soon, their need to gather and analyze huge amounts of data will demand more sophisticated edge data centers capable of directing the resulting digital traffic.

Even if self-driving vehicles aren't here yet, existing automobiles are increasingly incorporating IOT features. From sensors that transmit usage and mechanical condition data to manufacturers and dispatchers to internet connectivity that facilitates better GPS and driver comfort, today's vehicles offer as much connectivity as the modern home. The computing power that makes this connectivity possible will make IOT -enabled vehicles valuable tools in edge computing frameworks.

IOT Statistics

2. Every Second, Another 127 Devices Are Connected to The Internet.

Increasingly, IOT devices are popping up everywhere. Former **Cisco researcher David Evans**, who calculated just how many devices were being added every second, provides a glimpse into how widespread they've already become:

..."things" are no longer just computers and phones. Today, literally anything can be connected, including tennis rackets, diapers, clothing, vehicles, and, of course, homes. And although people may find this unsettling, the network is also starting to include biological things: Today, pets, crops, livestock, and the clothing on your body can be connected. We're not far from an Internet link you can actually swallow as a pill.

And there is more to do…

Thank you.