

CEO KEYNOTE

DONNA MOORE
LORA ALLIANCE[®] CEO & CHAIRWOMAN

LoRaWAN[®] Live!
New Delhi, India
October 17, 2019

GLOBAL LoRaWAN® MARKET 2023



**731M
LoRa/
LoRaWAN
Connected
Devices**

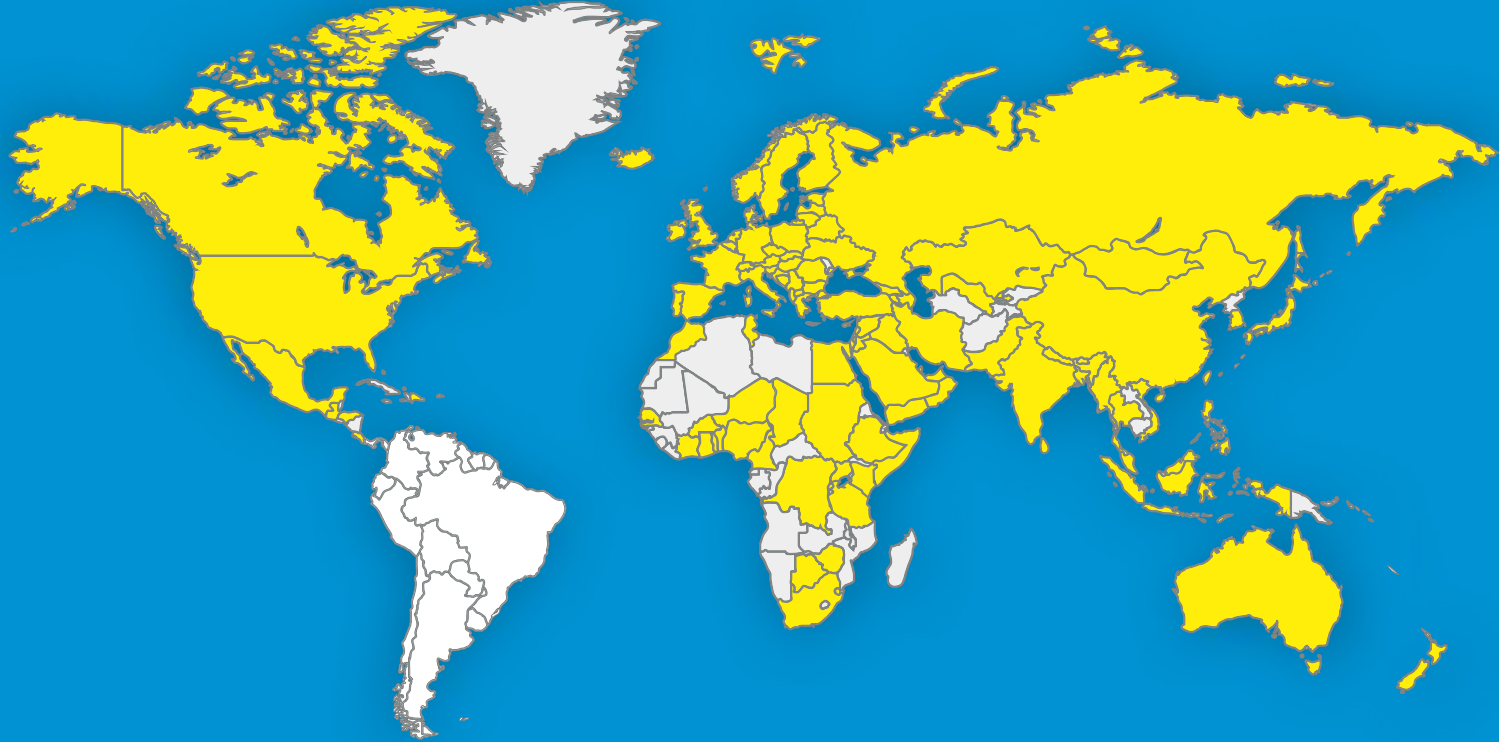
“As of this year, LoRaWAN is by far the leader in LPWAN.”
– Lee Ratliff, iHS Markit

Source: iHS Markit, 4th Annual LPWAN Report, June 2019

LoRaWAN® Network Coverage: 60% Growth since 2018

120+ LoRaWAN network operators

140+ Countries have LoRaWAN networks



MOST EXTENSIVE IoT MEMBER ORGANIZATION

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Differentiators & Benefits



Public and
Private
Deployment
Options



Firmware
Updates Over-
the-Air



Geolocation



Bi-Directional
Security



10+ Year
Battery Life



Coverage in
Rural and Non-
Cellular Area



Deep
Penetration
[Concrete,
Ground, Steel]

WATER CONSERVATION AND QUALITY



Smart Tech for a Sustainable Planet

AIR QUALITY



Smart Tech for a Sustainable Planet

SMART AGRICULTURE AND LIVESTOCK



Smart Tech for a Sustainable Planet

UTILITIES



Smart Tech for a Sustainable Planet

INDUSTRIAL



Smart Tech for a Sustainable Planet

SMART CITY

Waste Management



E-Governance



Health & Human Services



Environmental Monitoring



Smart Parking



Traffic Management



Urban Mobility



Energy Management



Water Management



Smart Tech for a Sustainable Planet

BUSINESS TRANSFORMATION



51.41%

Smart Tech is Making an Impact Around the World

MILLIONS OF CONNECTED DEVICES



Smart Tech for a Sustainable Planet





Look for the Mark!



Services - Hardware - Software - Platform - Turnkey Solution - Consultant - Network Operator

LoRaWAN Certified^{cm} Devices

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LoRaWAN Certified ^{cm} Device	LoRaWAN Certified ^{cm} Device	LoRaWAN Certified ^{cm} Device	LoRaWAN Certified ^{cm} Device
			
Talkpool OY1210 CO ₂ , temperature and humidity indoor climate sensor for energy savings and improved air quality...	Talkpool OY1700 Particle sensor, temperature and humidity indoor particle sensor to secure healthy air in commercial...	Invisible Systems Ltd ISL124 The new ISL124 Transmitter expands the Invisible Systems range of LoRaWAN @ devices. It can be used...	Telit Communications S.p.A RE866A1 - EU Telit RE866A1-EU LoRa + Bluetooth Module for industrial applications.
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outside of India

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French utility to digitise 70% of water meters

January 2, 2019



Image credit: Stock

Veolia and its subsidiary Birdz have selected Orange Business Services to digitise its water services.

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Fleet Space announces three million sensors on its satellite IoT network

12 Feb 2019

Newsdesk

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- Twitter: Fleet Space Technologies launched the first of its nanosatellites in 2018 on board SpaceX, Rocket Lab and ISRO, to create its global, low-powered IoT connectivity network.
- Facebook: Fleet Space Technologies announced the major success of Project Galaxy, registering a million devices to its low-cost satellite network in less than 24 hours, with an additional two million devices and counting on its waiting list

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LoRaWAN vs NB-IoT: How Tata Comm & SenRa driving India's IoT space as telcos wait and watch

Tata Communications and SenRa are making efforts to build a parallel network, called Low Power Wide Area Network based on LoRaWAN technology, to drive India's IoT

telecompaper

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American Tower takes LoRaWAN to 112 Brazilian cities

Monday 9 September 2019 | 17:22 CET | News

Less than a year after commercial launch in Brazil, American Tower has expanded its LoRaWAN IoT network to 112 cities across the country, covering approximately 70 million people. The network is now present in the states of Sao Paulo, Rio de Janeiro, Bahia, Ceara, Colos, Mato



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Home > Connectivity > Australian mine claims "global standard for industrial IoT" with LoRaWAN rollout

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Australian mine claims "global standard for industrial IoT" with LoRaWAN rollout

James Blackman • September 12, 2019 • Share 0

News Local News Farming

Sheep and cattle tracked by satellite as Welsh farms connect to the Internet of Things

Farmers can now see what their livestock get up to on their mobile phones. The trial project will be followed this autumn by the roll-out of LoRaWAN wireless technology across Wales

By **Andrew Forgrave** Rural Affairs Editor 09:58, 18 SEP 2019

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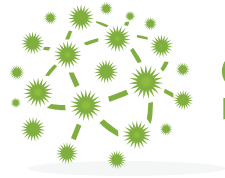
HSB Launches New IoT Solution for Schools

By Ken Briodagh / October 04, 2019

HSB recently announced a new customized IoT solution for schools, which is designed to protect school buildings and equipment against water leaks, freezing pipes, mold, and perishable goods spoilage.

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LoRaWAN® Live!

New Delhi, India

October 17, 2019



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