IoT Transforms Businesses

Panos Livanos

May 04, 2017

The Vodafone Vision

“To connect every machine…
to transform lives and businesses”

Vodafone recognised by analysts as clear IoT global leader

Gartner

Vodafone positioned as a **leader** for the 3rd year in Gartner Magic Quadrant for Managed M2M Services in 2016

Machina Research

Machina Research names Vodafone 'the **consistent global leader**' in IoT services for the 5th consecutive year in 2016

analysys mason

Rated **best worldwide CSP** in the M2M Communication Service Provider Scorecard – a record 4th time in 2015

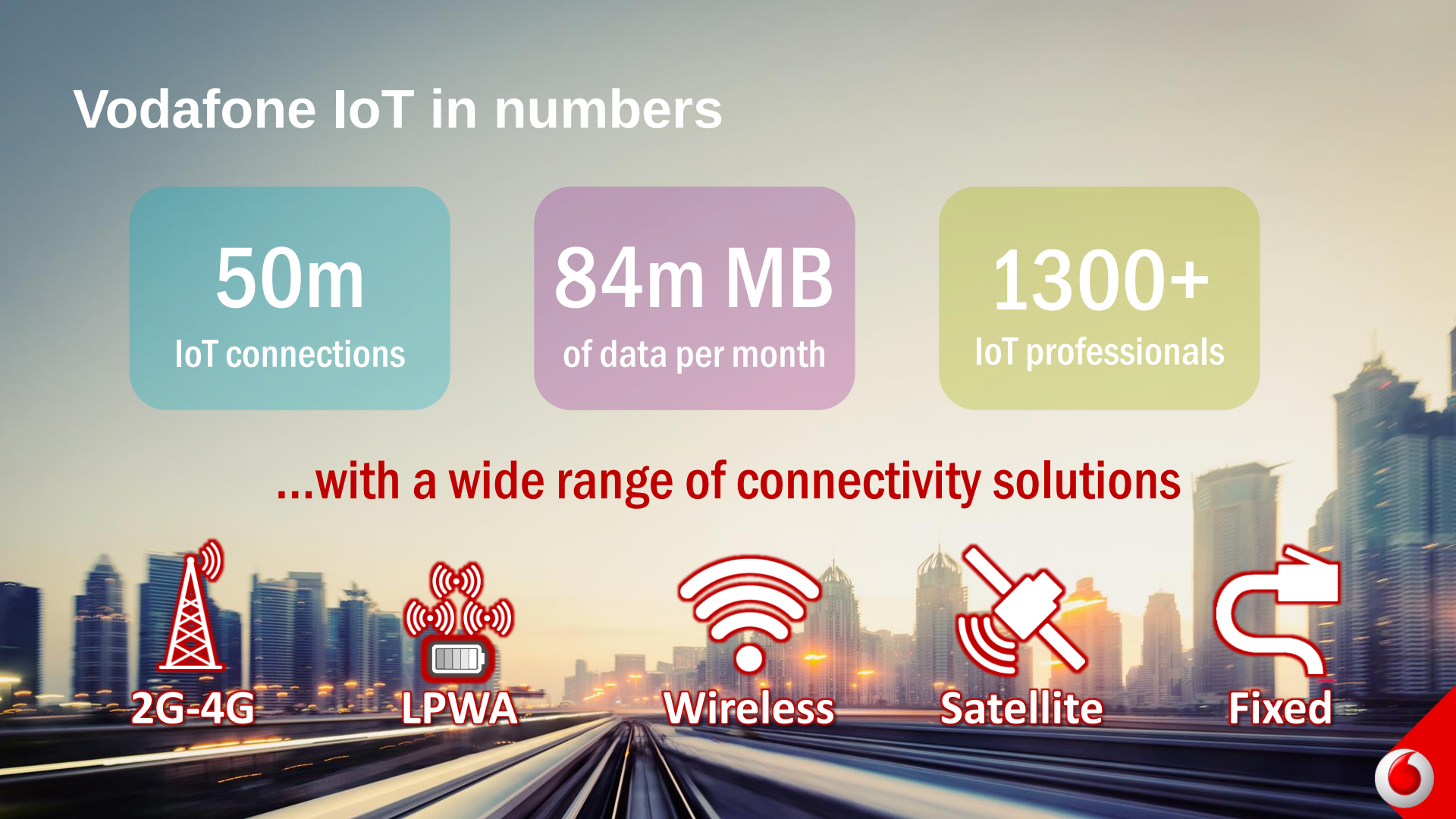
Vodafone IoT in numbers

50m
IoT connections

84m MB
of data per month

1300+
IoT professionals

...with a wide range of connectivity solutions



IoT goes mainstream

76%

of businesses said IoT will be ‘critical’ for the future success of any organisation in their sector

63%

of businesses already use IoT, or will do so within the year

63%

Of businesses see significant ROI from using IoT

Source: Vodafone IoT Barometer, July 2016

Vodafone end-to-end IoT solutions

Hardware, asset & device

Managed platform & connectivity

IoT application

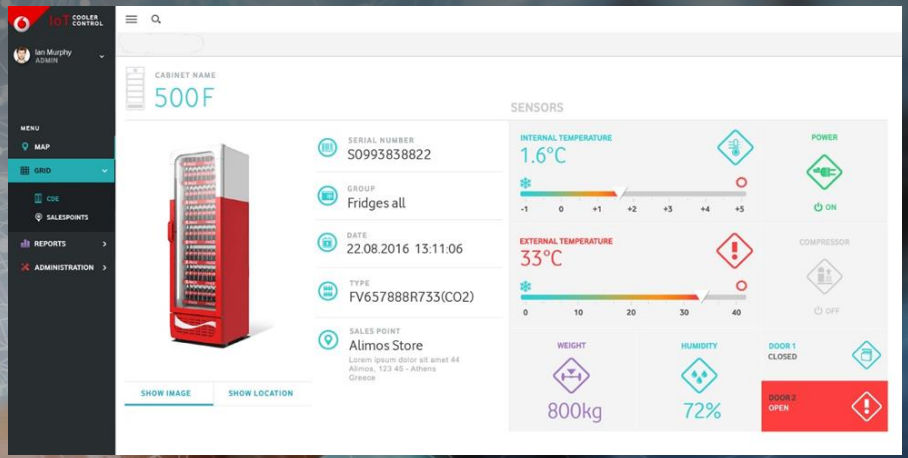
Through hardware expertise, managed connectivity and software applications, Vodafone offers true end-to-end, single point of contact solutions for IoT

IoT Fleet Control

- Complete device portfolio
- Real time vehicle data from sensors, CANbus / OBD monitoring
- Enterprise dashboard and vehicle grid
- Fast and powerful mapping (location, route playback, POI, geofence, geospatial queries)
- Detailed & scheduled reports, Insightful alerts
- Mobile app

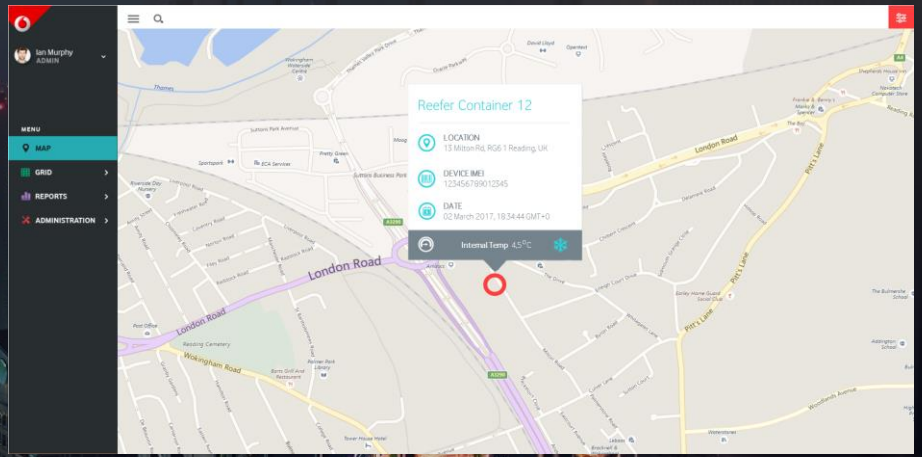
IoT Cooler Control

- Cooler monitoring
  - Temperature
  - Humidity
  - Power
  - Motor efficiency
  - Door events
  - Stock levels
  - Controller connectivity
  - Location tracking
- Focus on retailer quality compliance assistance
  - Detailed reporting e.g. specialized HACCP reports
  - Certified device as Class 1 Temperature logger
  - On event Alerts & user notifications
- Mobile app



Mobile Asset Tracking

- Asset Tracking
  - Mobile Asset tracking and monitoring of transport conditions
  - Location based on multiple Cell ID and GPS, battery level and sensor data (temperature, motion, light, tamper).



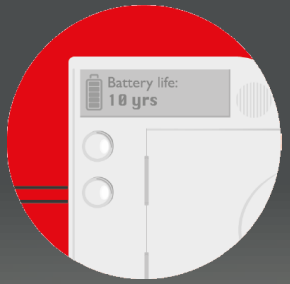
- Stolen Vehicle Recovery (SVR)
  - Device sends vehicle location based on Cell ID, temperature and battery level
  - GPS Activated on demand over GPRS or SMS.

IoT Energy Control

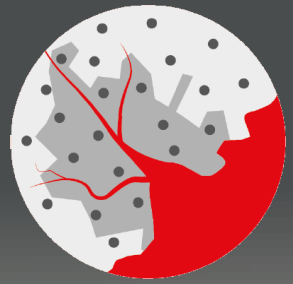
- Smart Meter complete metering solutions
  - Solar energy production for homes & solar parks.
  - Natural Gas consumption for homes
  - Energy consumption for corporate customers
- Unique functional characteristics
  - Dedicated User Portals
  - Real time production/consumption information
  - Detailed reports
  - Additional sensors
  - Alerts via SMS & email

NB-IoT: The future is closer than you think

Coverage & signal penetration



Great power efficiency



Massive scale deployments

Low cost hardware

Low bandwidth

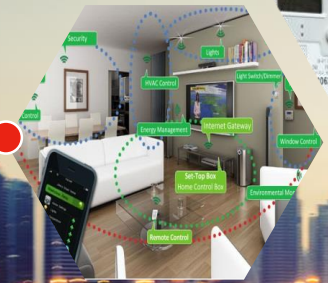
A **standards-based** (non proprietary) technology, **leveraging the existing 4G network** & using **licensed spectrum** that will ultimately increase IoT adoption

Narrowband IoT opens up new propositions for IoT

Oil, gas & water utilities

Low power asset tracking

Smart Cities



Smart Home

Smart Grid

Smart Security

Smart Retail

Smart Health

Thank you