

A person with dark skin, wearing a vibrant red fur coat, is shown from the waist up. Their arms are raised in a 'V' shape, and they have a joyful expression with their mouth open. The background is a solid, bright red. Overlaid on the image is a series of concentric, curved red lines that form a partial circular shape around the person's head and arms, creating a sense of motion or energy.

# AIOTI Signature Event

27/09/2022 Brussels

Insert Confidentiality Level in slide footer



# Our Purpose | Planet | Vodafone -





# One of the world's leading converged operators

## Mobile

One of the world's largest  
mobile networks

**300m+ customers<sup>1</sup>**

## Fixed

Our network reaches  
**28m customers<sup>2</sup>**

## TV

Europe's second largest  
TV platform  
**22m customers<sup>2</sup>**

<sup>1</sup>Includes joint ventures and associates

<sup>2</sup>Includes Vodafone Ziggo

# VodaFamily

## – How we operate

Our purpose is to connect for a better future

- We are building digitally inclusive societies around the world, where everyone is able to access technology and its benefits.  
We are committed to sustainability – our business success should not come at the expense of the planet.
- But equally important to our purpose commitments is our determination to ensure we are acting responsibly and with integrity wherever we operate.



**Vodafone**

- Largest mobile & fixed network operator in Europe
- World's largest internet of things (IoT) connectivity provider
- Services 1,400 global companies including 70% of the Fortune 500



**Vodacom**

- +185 m customers across Africa, including +51 m MPesa (all +18 years)
- Supporting staff, Governments, customers, & suppliers
- Supporting business, jobs, & economic resilience
- Private sector partners J&J, AZ, Pfizer, Sanofi, GSK, Imperial, DHL, & +1,000 more



**Mezzanine**

- Digital products in 11 Countries in complex, resource-limited settings.
- +62 m individuals impacted since 2012
- Network agnostic, ISO 27001 approved & GDPR compliant
- Existing partnerships with USAID, UN, etc.



**M-Pesc**

- M-PESA is Africa's most successful mobile money service and the region's largest Fin-tech platform
- M-PESA provides more than 51 million customers across seven countries in Africa with a safe, secure and affordable way to send and receive money, top-up airtime, make bill payments, receive salaries, get short-term loans and much more



**IoT.next**

- Scalable platform that allows integration with legacy systems and communication with many protocols. Solutions allow for the leveraging off existing infrastructure however simple customisation of full-stack product suite (operating in 13 verticals)
- Network agnostic





We've committed to reducing our total global carbon emissions to 'net zero' by 2040.

Here's how we're going to do it...

2021	2021	2025	2030
			0%
European network powered by 100% renewable electricity	All network waste reused, sold, or recycled <b>100%</b> of the electricity used by our networks from renewable sources	<b>Carbon emission eliminated from:</b> <ul style="list-style-type: none"><li>- Our own activities</li><li>- The electricity we purchase and use</li></ul> <b>Carbon emissions halved from:</b> <ul style="list-style-type: none"><li>- Our supply chain</li><li>- Business travel</li><li>- Our joint ventures</li><li>- The use of products we have sold</li></ul>	Fully net zero



# IoT Use Cases



# Smart Metering | Saving water together with the German energy company E.on

The challenge	The solution	The benefits
Only in Germany a water pipe bursts <b>every 30 seconds</b> ; <b>1.1 million cases of water damage</b> , amounting to costs of more than <b>3 billion euros</b> hit the country in 2019 alone.	Smart water meters <b>monitor and detect irregularities in water consumption</b> , offering a <b>reliable, early indicator</b> of possible pipe damage. IoT enables all data and error messages to be transmitted to users via mobile communications.	By equipping water meters with intelligent wireless technology, water pipe damage can be detected much earlier, <b>minimizing water waste as well as renovation work and costs.</b>



# Smart Transportation | Reduce fuel consumption with intelligent fleet management

The challenge	The solution	The benefits
The <b>economic and environmentally sustainable management of large vehicle fleets</b> requires a data-driven approach.	Vodafone Business Fleet Analytics is a modular telematics product designed to gather vehicle operating data to maximise vehicle efficiency and, improve employee safety and security on the road. Vodafone Business Fleet Analytics can capture real-time data from drivers in a variety of vehicles, locations and driving conditions, analyse insight and better manage fleet usage. Our digitalised fleet management provides, real-time information on travel, speed and routes, available 24/7/365.	Including fuel efficiency savings, the average saving per installation of a VBFA device per vehicle per month (considering 20km per anum) is €139, of which €23 fuel, €38 productivity savings (e.g. route and job optimisation), €18 maintenance (e.g. prevention of recovery and emergency garage visit) and €60 safety (e.g. prevention of crash or management of crash).





## Video on MyFarmWeb | How technology can help the world navigate food insecurity



# Smart Farming | Optimizing agricultural yields with MyFarmWeb

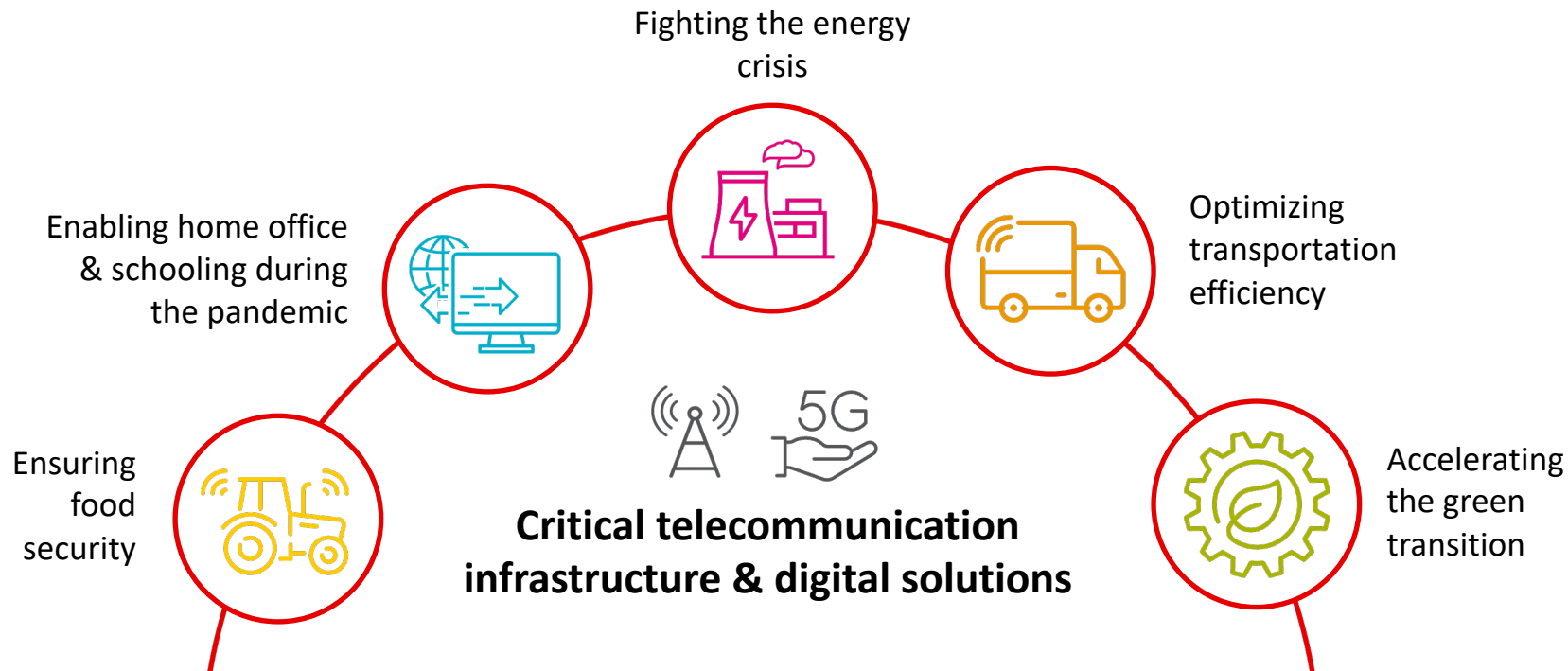
The challenge	The solution	The benefits
<p>Climate change – need for more sustainable and eco-friendly farming practices. Recent economic and geopolitical shocks are threatening our global food supply and pushing millions towards hunger.</p>	<p>MyFarmWeb enables the farmer to measure, capture, record &amp; monitor relevant data points in terms of the farmers interests or regulatory requirements from a productivity and/or sustainability perspective. The system interfaces with remote sensing (satellites) as well as in situ IoT devices (such as soil moisture probes, vehicle trackers and weather stations) to measure and record relevant data on the farm, ranging from soil, physical, chemical, microbial analysis, pest presence to ultimately enable informed decision making.</p>	<p>1) allowing farmers to participate in the value chain/giving access to market so that they are keen to invest; waste reduction gains</p> <p>2) for consumers digitally, enabled traceability will give more transparency about products, and awareness about total footprint of products = behaviour change/demand driven transition.</p>



# Conclusion



# Applications | Digital technologies can be an enabler and accelerator of the sustainable & safe future



# Recommendations | Asks

1

Sustainable scale  
enabling investments  
into secure and  
resilient,  
transformational  
networks

3

Pro investment  
regulatory framework  
(spectrum, BCRD, etc)

2

Fair Internet  
ecosystem

4

Energy security - guaranteeing  
the uninterrupted supply of  
energy sources to all its  
network elements and limiting  
the negative effects of the  
serious increase in operating  
costs, starting with energy  
costs

5

Smart public funding  
to accelerate the  
green and digital  
transitions







Together we can