TELTONIKA | Networks
WE HELP YOU CONNECT
2021

WHO WE ARE?
TELTONIKA
WE ARE
TELTONIKA NETWORKS
RELIABLE
SECURE
EASY TO USE

HEADQUARTERS

250+ Employees
in Sales, R&D and Support

Own Advanced
Manufacturing Facility

In-House R&D
And Support

WORLDWIDE PRESENCE

A Part of

TELTONIKA | IoT Group

18 International locations
1300+ Employees

Local Sales,
Stock & Support

GLOBAL FOOTPRINT

Partners in
140+ countries

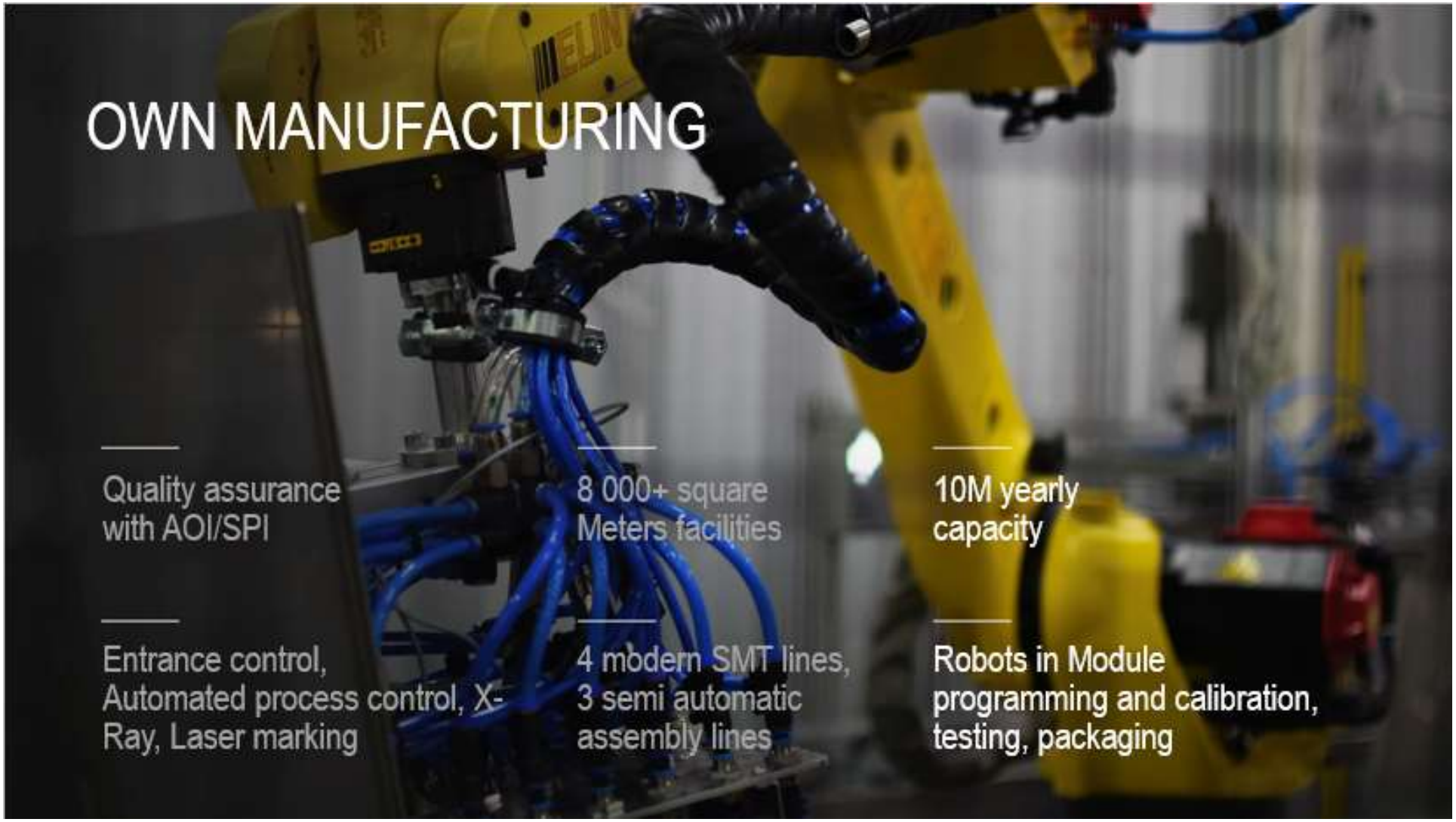
Top 5 Global Industrial
Cellular Gateway Provider

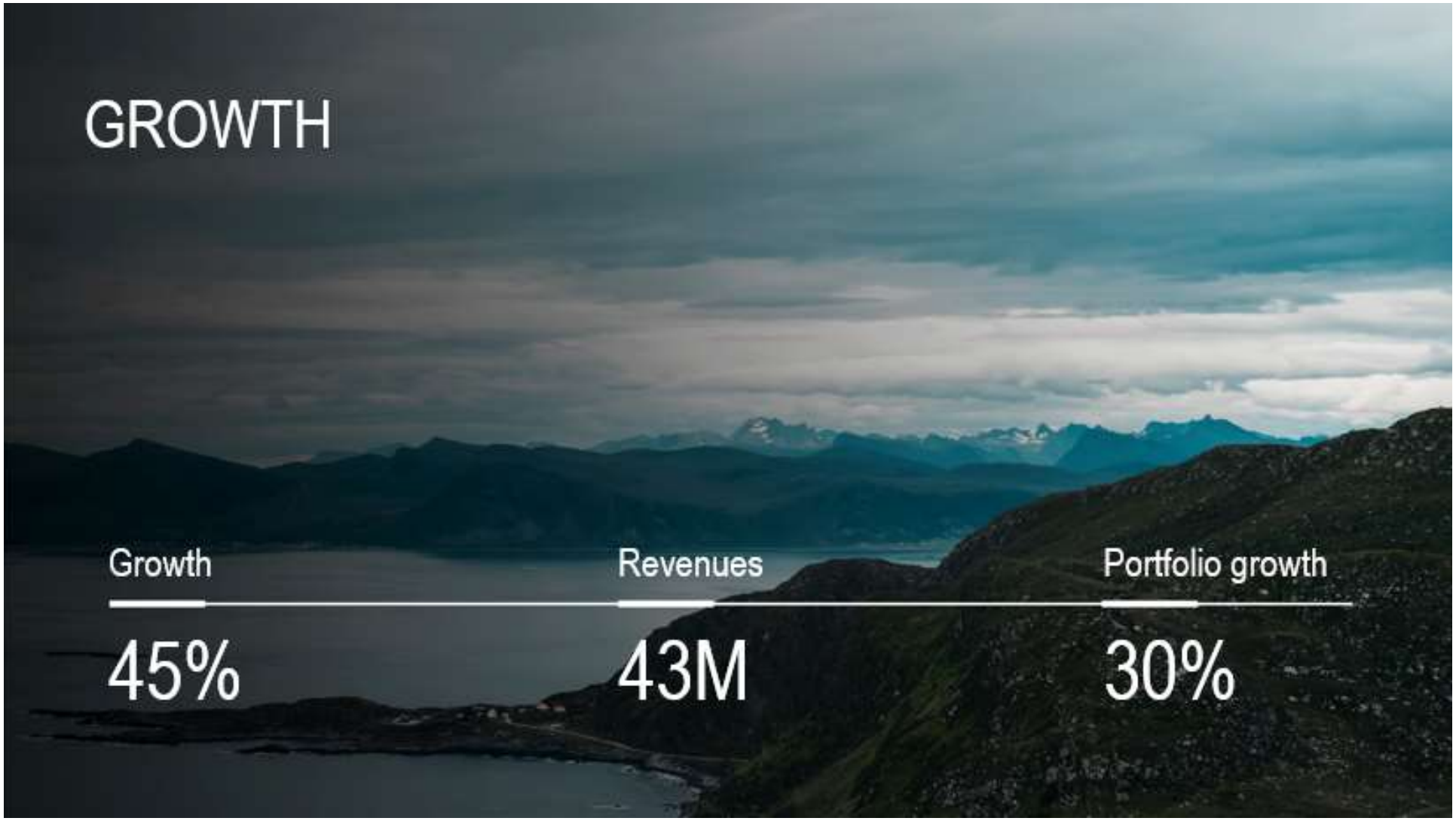
25+ International
Product Certifications

ENVIRONMENTAL &
SOCIAL RESPONSIBILITY
TELTONIKA
ACADEMY
Laser Product Engraving
And Sustainable Materials
Scholarships for
Students
IoT & B2B academies for
internships
50% reduction in plastic
materials for packaging
Lectures in
Universities
New Talent – Foundation
For Future Growth

OWN MANUFACTURING
Quality assurance with AOI/SPI
Entrance control, Automated process control, X-Ray, Laser marking

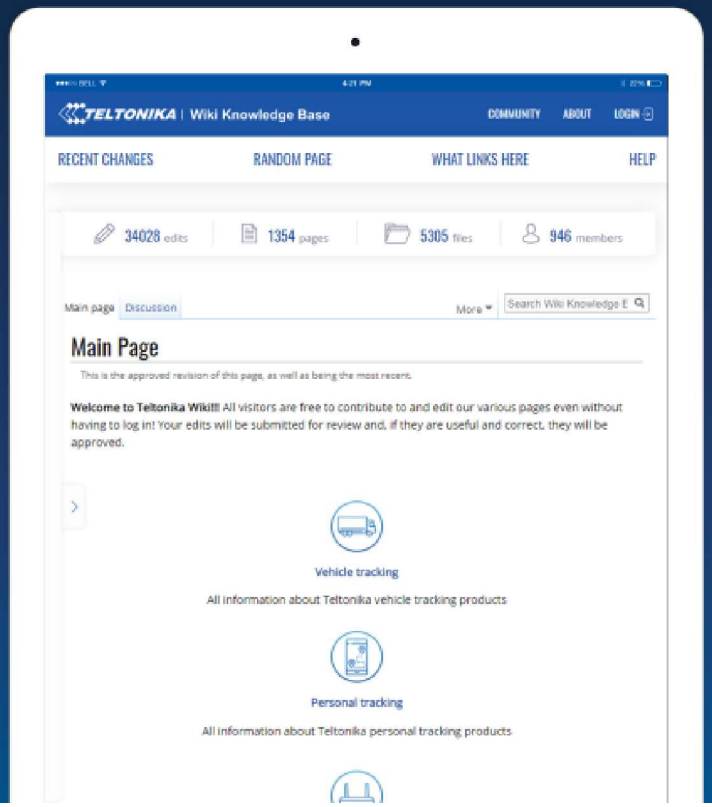
OWN MANUFACTURING
Quality assurance with AOI/SPI
8 000+ square Meters facilities
Entrance control, Automated process control, X-Ray, Laser marking
4 modern SMT lines, 3 semi automatic assembly lines


OWN MANUFACTURING
Quality assurance with AOI/SPI
8 000+ square Meters facilities
10M yearly capacity
Entrance control, Automated process control, X-Ray, Laser marking
4 modern SMT lines, 3 semi automatic assembly lines
Robots in Module programming and calibration, testing, packaging

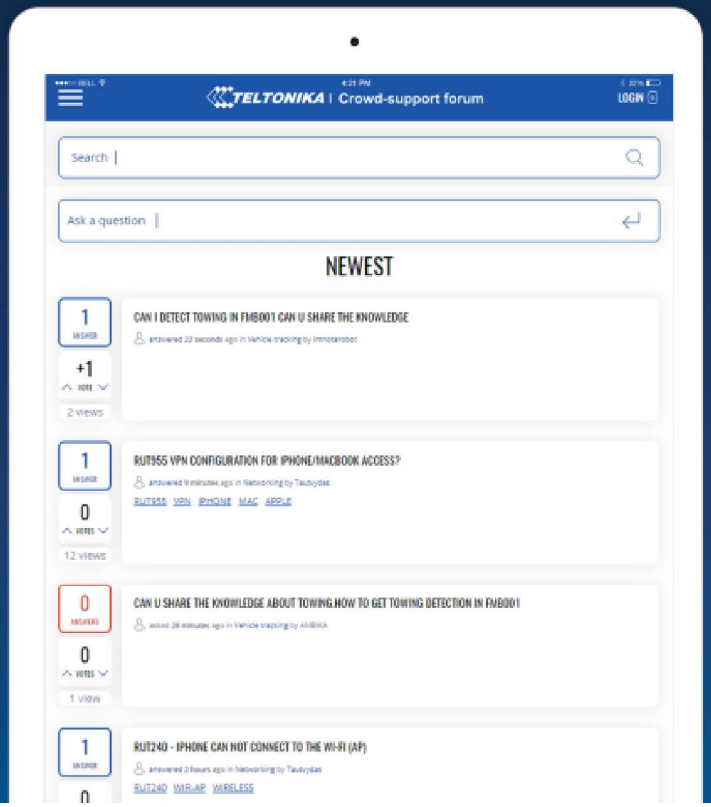

GROWTH
Growth
45%
Revenues
43M
Portfolio growth
30%

TELTONIKA | Networks

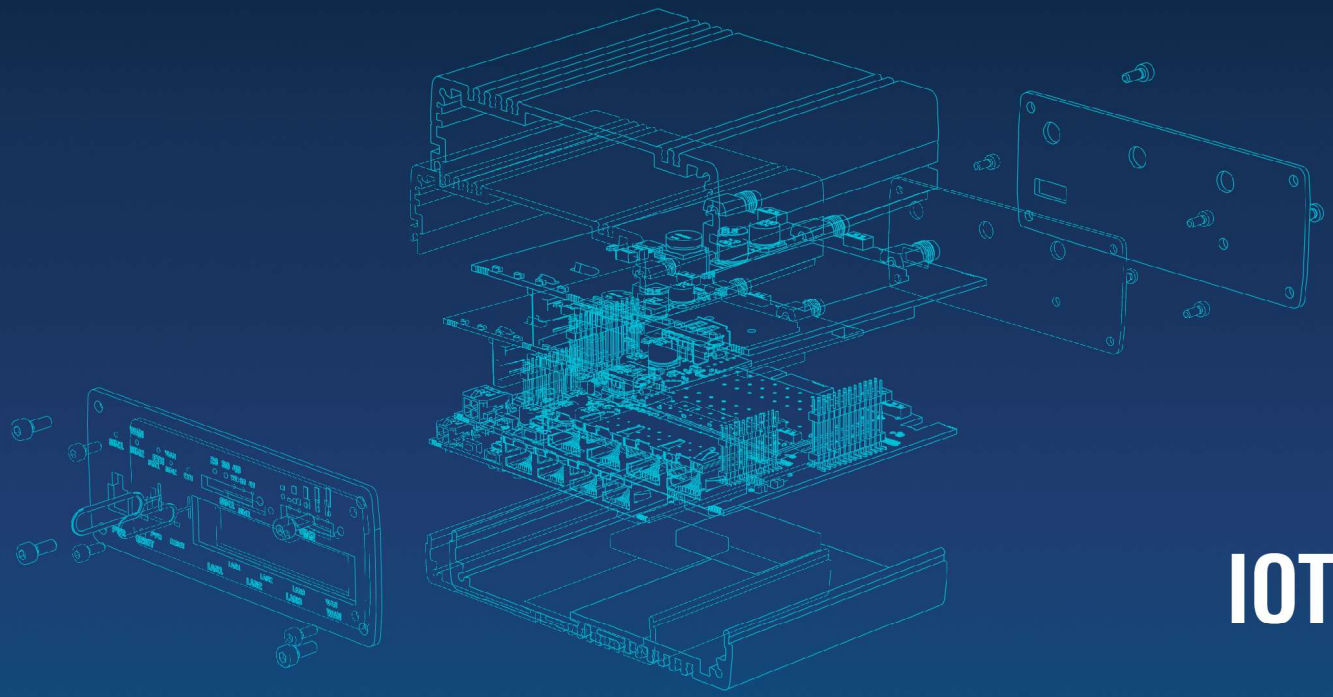
TELTONIKA | Wiki knowledge base



TELTONIKA | Crowd-support forum



PRODUCT PORTFOLIO



MODEMS

GATEWAYS

ROUTERS

IOT PLATFORM

OUR FOCUS

RELIABILITY

5+ YEARS
LIFE EXPECTANCY

SECURITY

VALIDATED IN MISSION
CRITICAL APPLICATIONS

EASY OF USE

NO SPECIAL TRAINING
REQUIRED

SOFTWARE

RUTOS

USER-FRIENDLY
INTUITIVE INTERFACE

MULTIPLE
SOFTWARE FEATURES

EASY CONNECTION WITH
DEVICES AND PLATFORMS

CUSTOMIZABLE
OPERATING SYSTEMS

RMS - REMOTE MANAGEMENT SYSTEM

MONITOR & GATHER
STATUS REPORTS

MANAGE & CHANGE
DEVICE CONFIGURATION

FOTA: FIRMWARE
UPDATE

SET ALETRS AND ACCESS
GEOLOCATION DATA

REACH DEVICES
BEHIND ROUTER

HARDWARE

MODEMS: TRM

TRM240

TRM250

LTE Cat 1

2.0 interface

LTE M1/ NB IoT

GATEWAYS: TRB

TRB140

TRB141

TRB142

TRB145

4G

9-30V

RMS

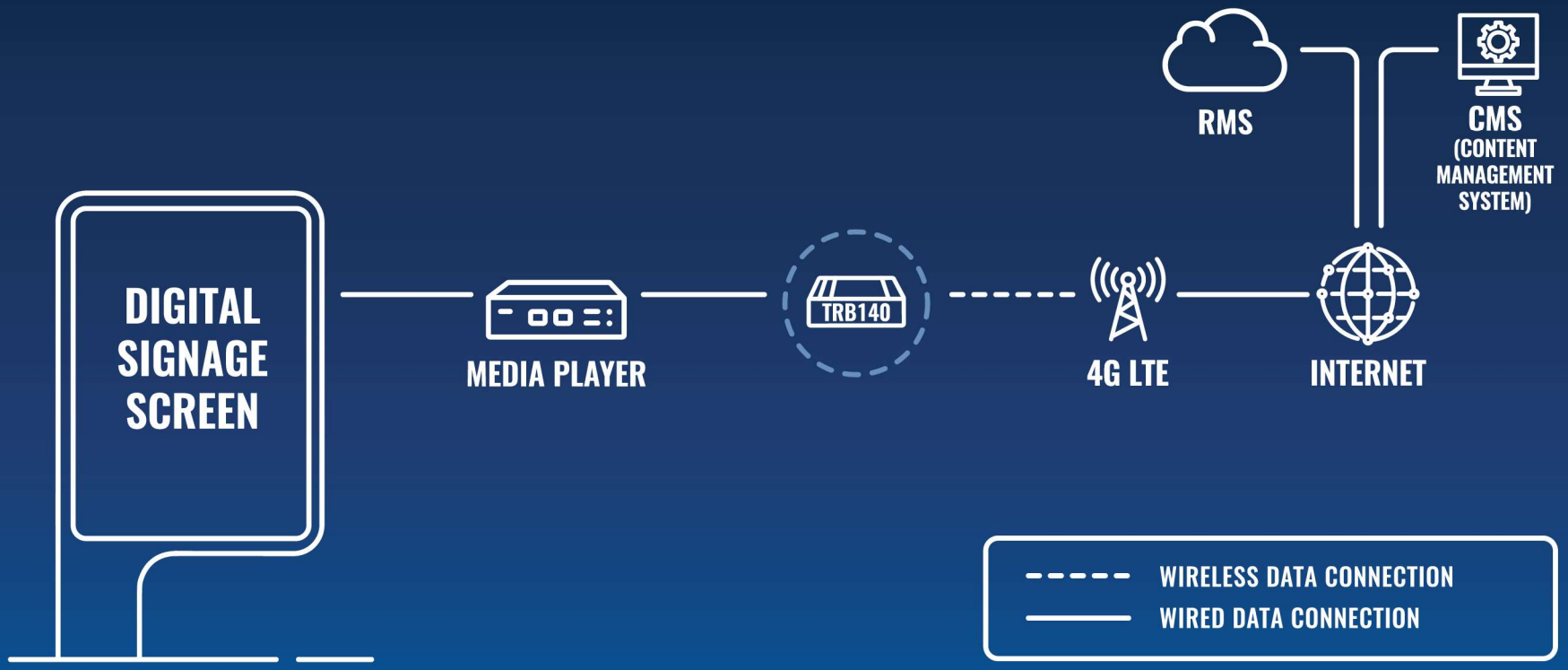
I/O

RS232
RS485

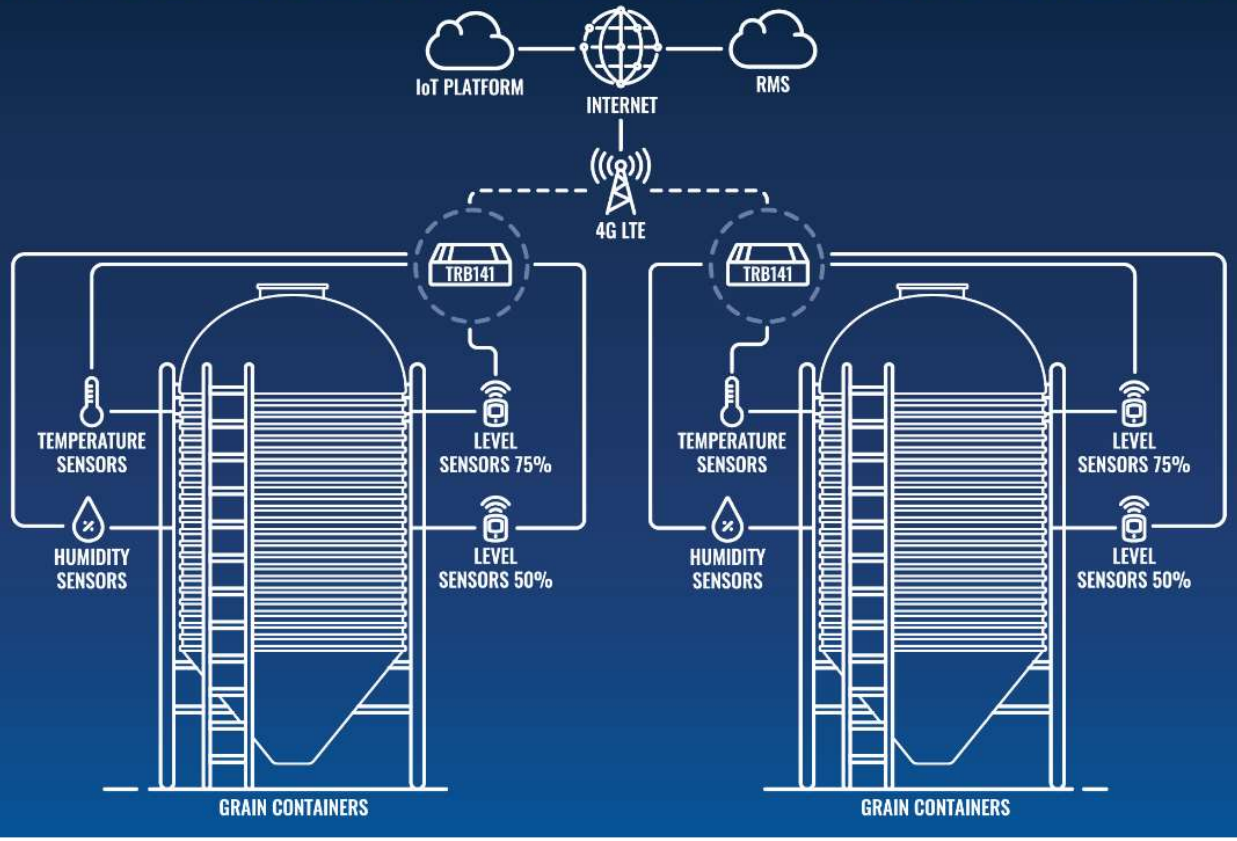
VPN

RutOS

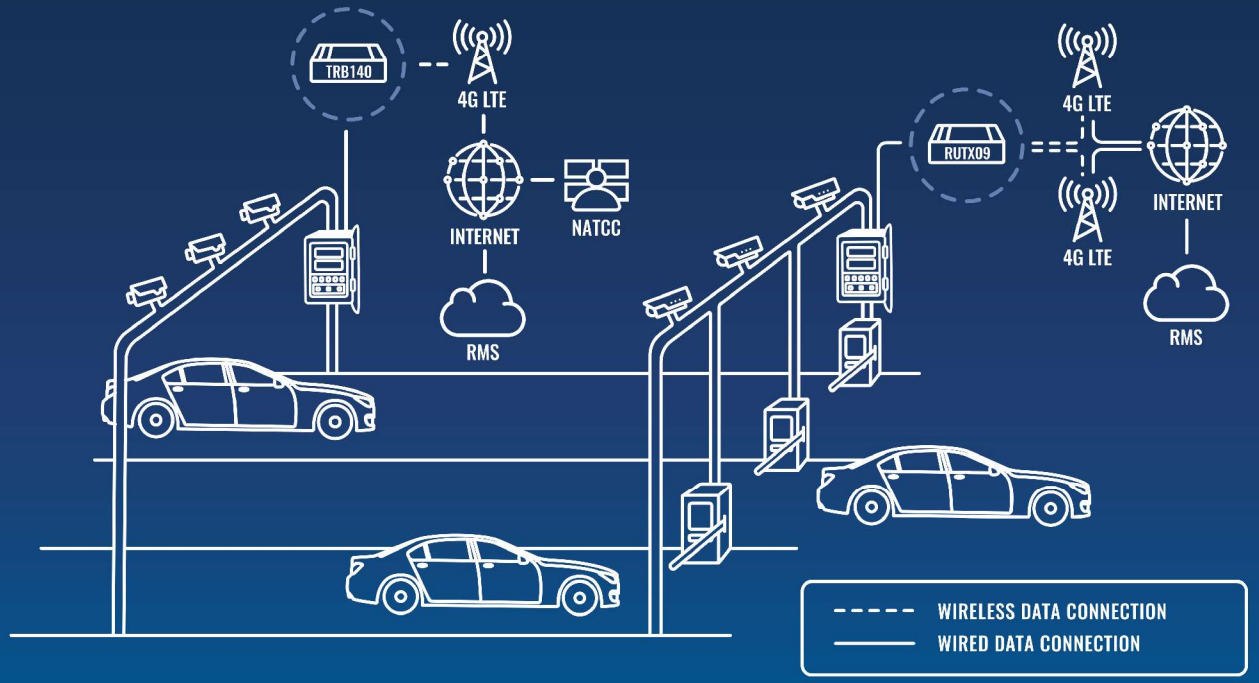
DIGITAL SIGNAGE & CELLULAR CONNECTIVITY



REMOTE GRAIN CONTAINER MONITORING



CELLULAR CONNECTIVITY IN ROAD TAX INDUSTRY



GATEWAYS: TRB2

TRB245

TRB255

LTE Cat 4

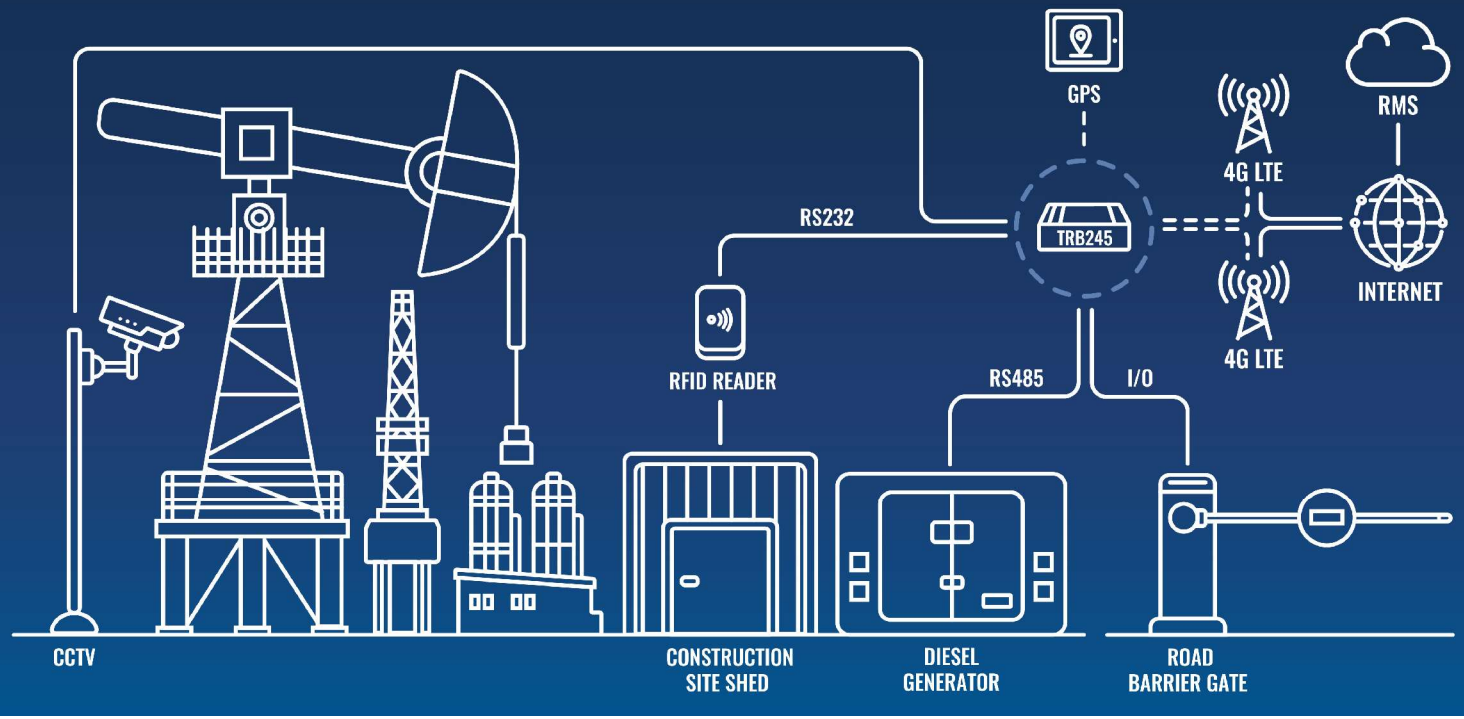
I/O

RS232
RS485

IoT

RMS

CONSTRUCTION SITE CONTROL AND MANAGEMENT



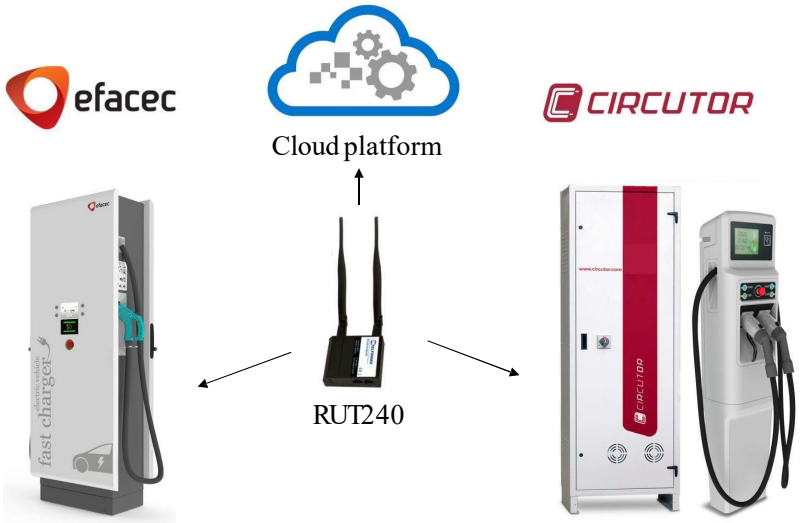
ROUTERS: RUT2 SERIES

RUT230

RUT240

Teltonika
RUT series

Application sectors – ENERGY
Electronic Vehicle chargers

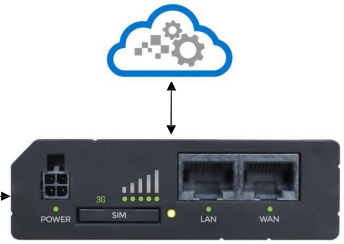


- Charger management
- Payment system communication
- Cloud platform integration

Inspired by industry leaders, innovated for value and performance.

Teltonika
RUT series

Application sectors –Digital Signage



<u>4G/LTE enabled routers are used as:</u>

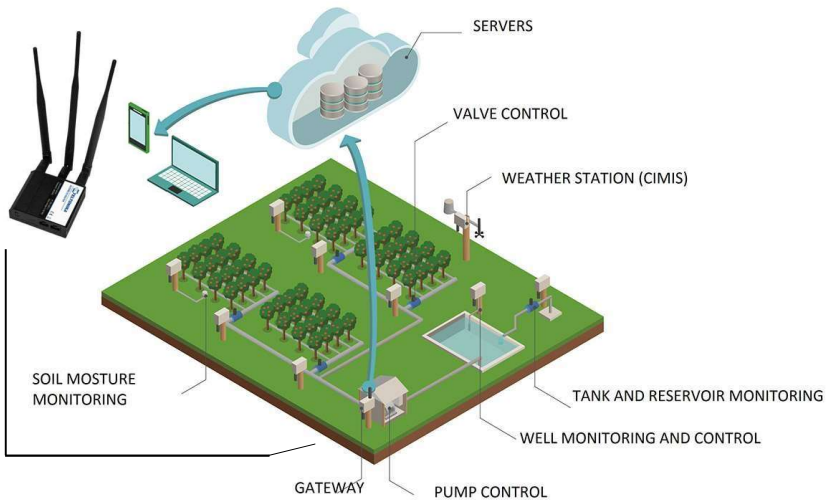
-Primary connectivity option where cabling is expensive OR installations are temporary

-Backup connectivity, where Digital Signage screens are used with Payment terminals for order processing (eg. Mcdonalds)

Teltonika RUT series

Application sectors – Smart irrigation systems

RUT240

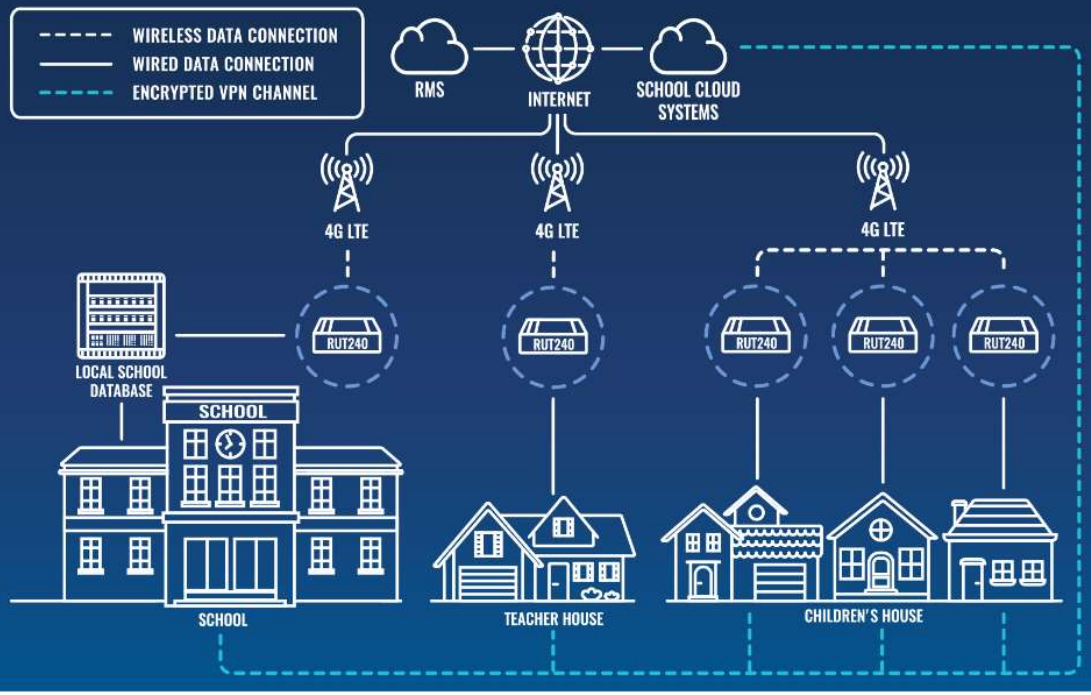


Smart irrigation systems contains a challenge of distant location and low availability for connectivity options.

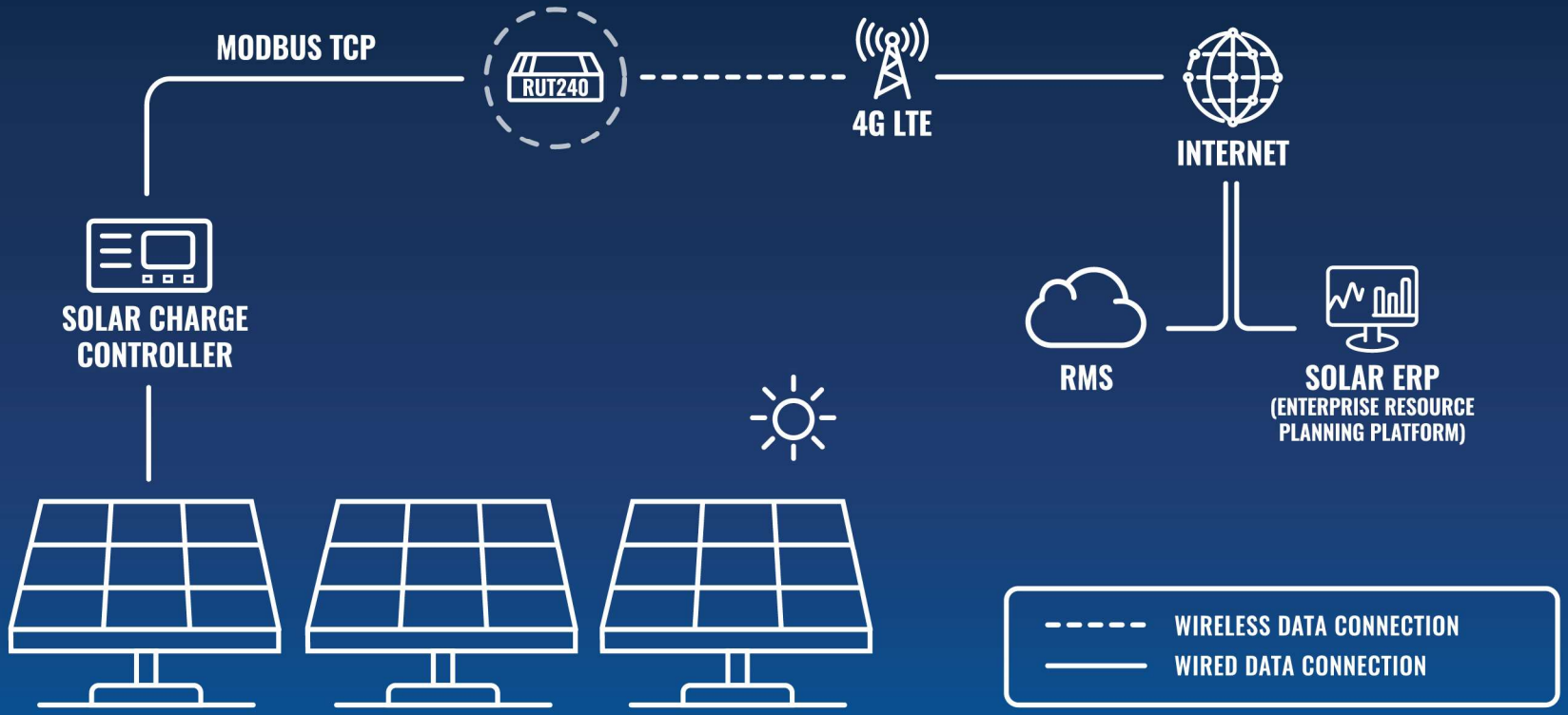
Although local connectivity can be solved through RF or LP networks, cellular is still best option to connect installation to cloud platform

Teltonika RUT2XX series is chosen in most smart irrigation cases due to sufficient functionality, small dimensions and overall value.

SECURE CONNECTIVITY FOR REMOTE EDUCATION



REMOTE MONITORING OF SOLAR POWER



ROUTERS: RUT9 SERIES

RUT900

RUT950

RUT955

Teltonika
RUT series

Application sectors– Public Transport

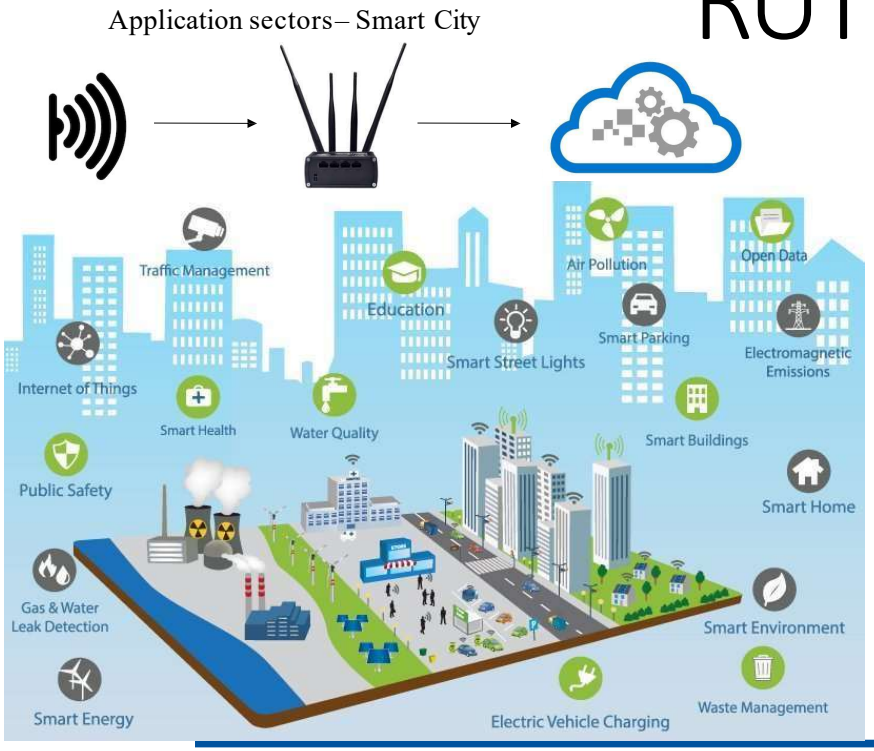
Modern Public transport needs to have:
Customer WiFi hotspot
Ticketing connection
CCTV feed to HQ
Digital Signage

Our customer can provide all of this functionality with single RUT955 (other models are used also)

Key value areas:

- Integrated Hotspot functionality
- Multiple connectivity interfaces
- GNSS + RMS allows easy monitoring of the whole fleet

Teltonika
RUT series



Basic Smart City framework:

Sensor →communica□on device →cloud pla□orm

Key areas:

- Lighting control
- Energy efficiency
- City Safety / Security
- Incident detection
- Air/Noise/Pollution
- Parking
- Traffic Systems
- Public WiFi
- Water Quality
- Waste Management

Teltonika
RUT series

Application sectors -POS

Even 5 min of downtime in retail environment can out-value the initial costof installation.

Teltonika routers have been tested and approved by:

ingenico GROUP

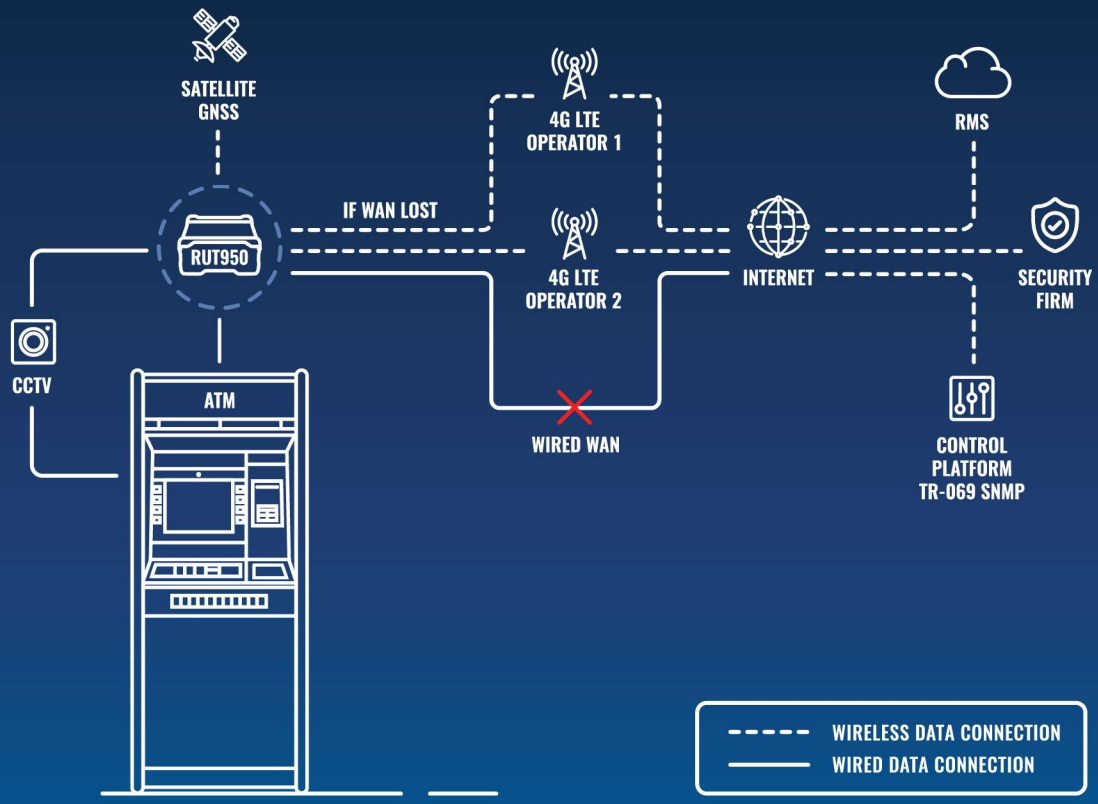
Cellular router is needed for a backup connection.

Can be configured to seamlessly switch once the main internet source is down (fiber/WiFi)

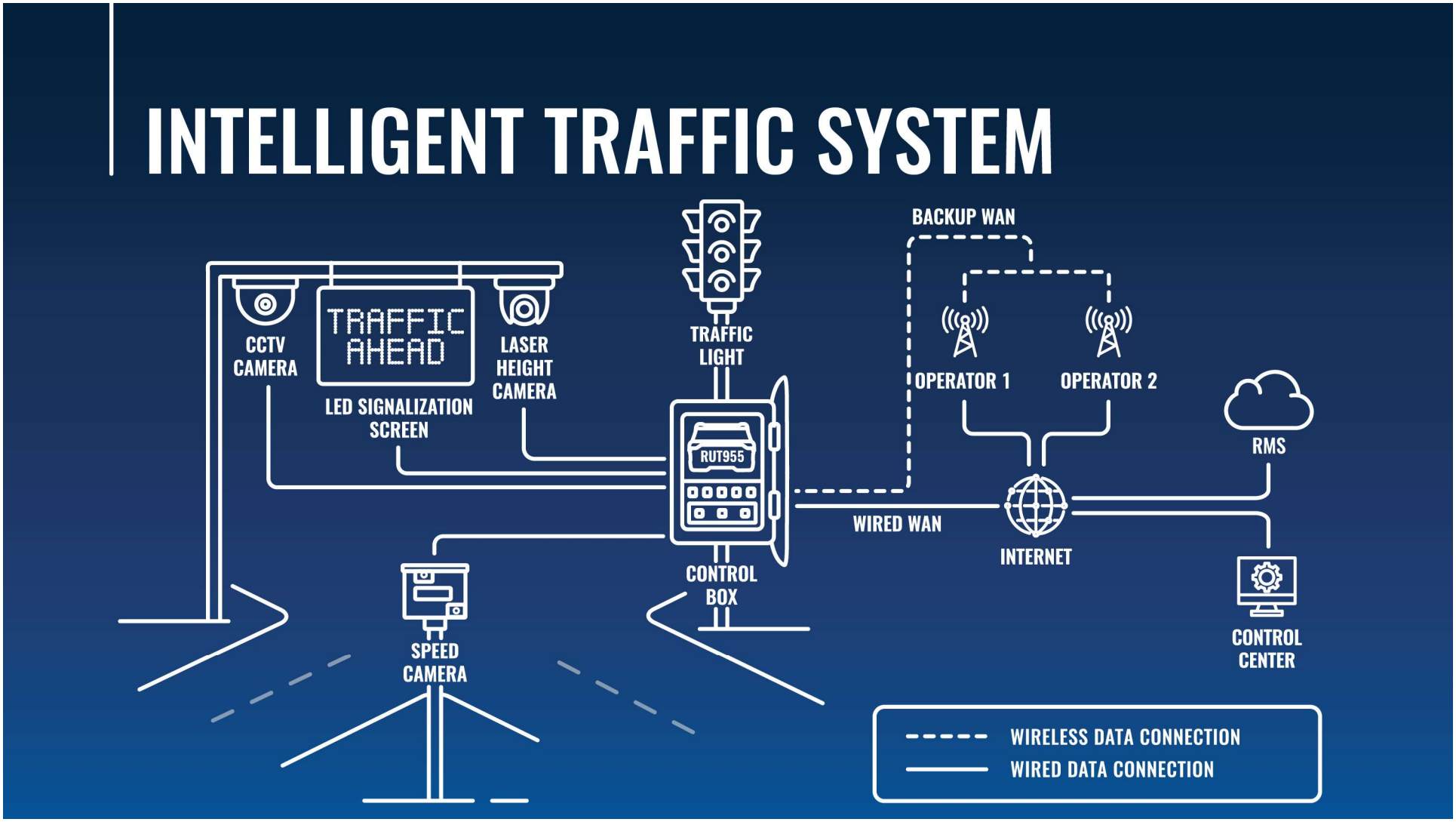
Additional benefits from: 2*SIM failover, OpenVPN

Inspired by industry leaders, innovated for value and performance.

EMPOWERING ATM CONNECTIVITY



PUBLIC SURVEILLANCE AND INFORMATION SYSTEM

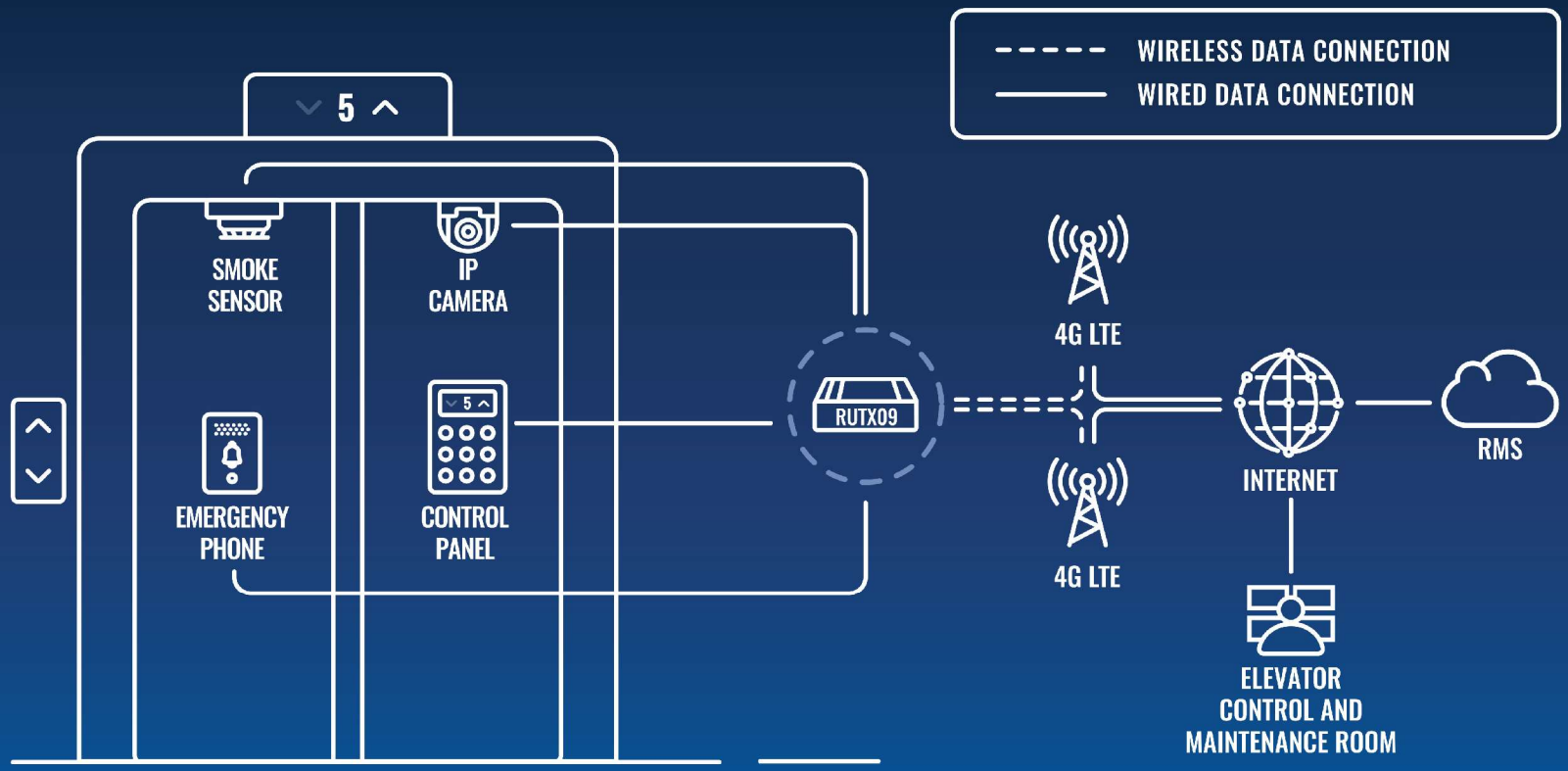

INTELLIGENT TRAFFIC SYSTEM
CCTV CAMERA
TRAFFIC AHEAD
LED SIGNALIZATION SCREEN
LASER HEIGHT CAMERA
TRAFFIC LIGHT
BACKUP WAN
OPERATOR 1
OPERATOR 2
RMS
RUT955
WIRED WAN
INTERNET
CONTROL BOX
SPEED CAMERA
CONTROL CENTER
WIRELESS DATA CONNECTION
WIRED DATA CONNECTION

ROUTERS: RUTX SERIES

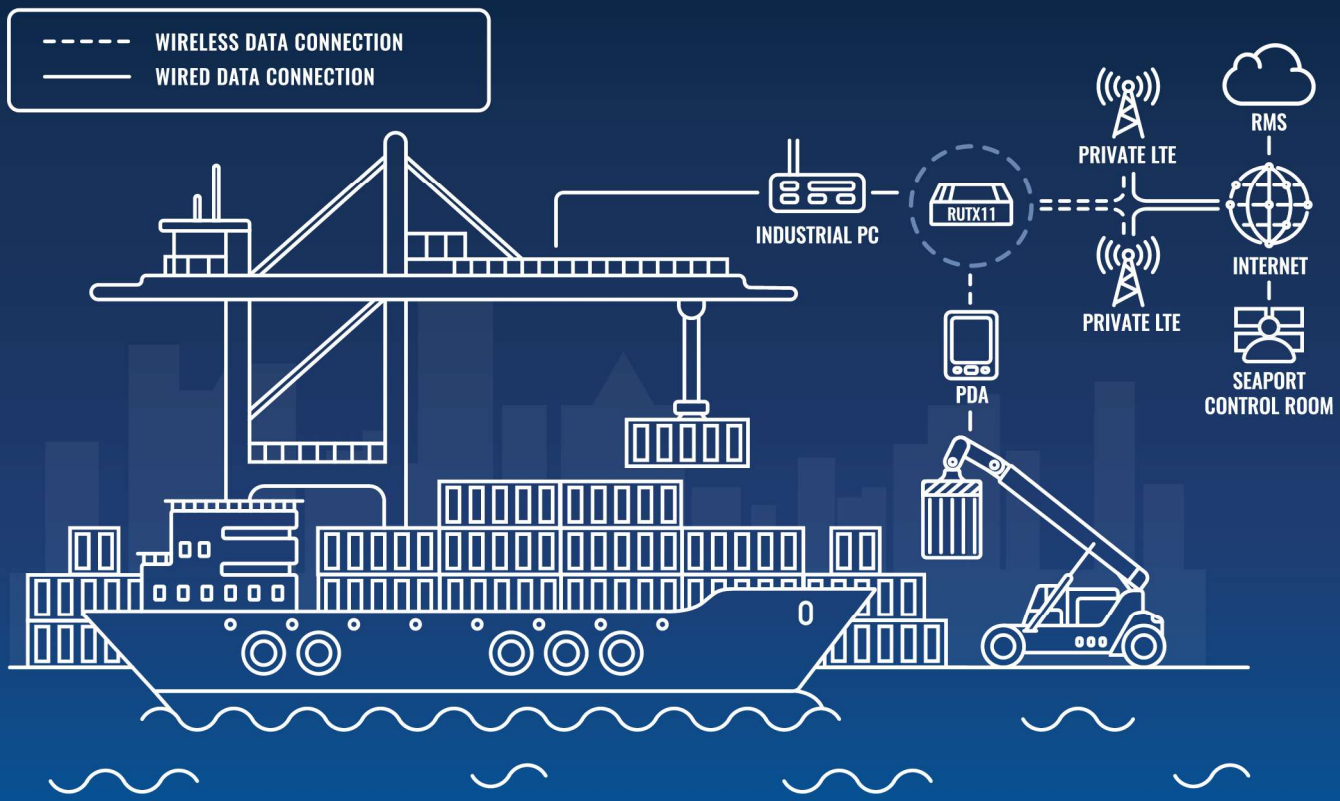
RUTX09

RUTX11

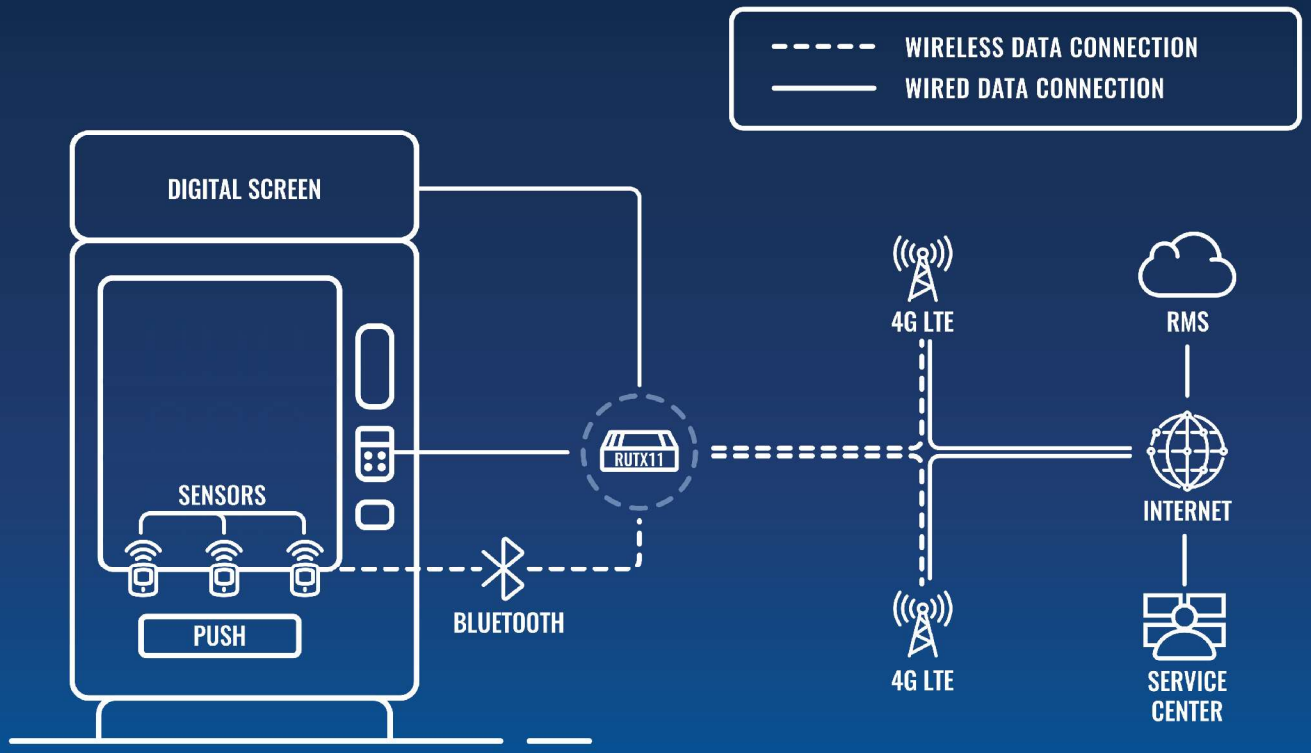
ELEVATOR CONNECTIVITY



SEAPORT WIRELESS CONNECTIVITY



4G CONNECTIVITY IN VENDING MACHINES

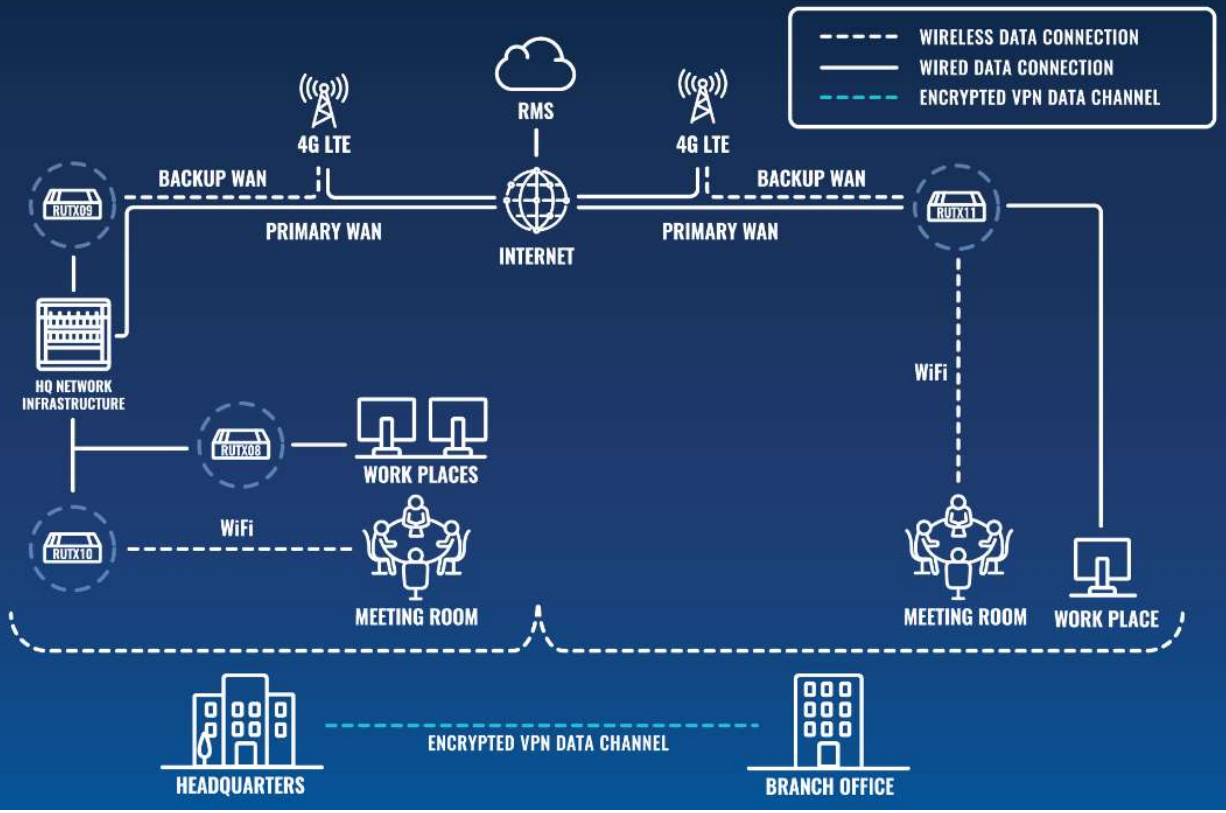


ROUTERS: RUTX SERIES

RUTX08

RUTX10

SECURE BRANCH CONNECTIVITY



ROUTERS: RUT850

RUT850

E-mark

LTE
Cat 4

RMS

Teltonika RUT series

Application sectors – Vehicleconnectivity
Toyota case

Actual business case with TeltonikaRUT850:

- Car WiFi hotspot + infotainemt system connectivity.
- Pilot of 5000 psc was agreed of RUT850 after successful tests.
- Teltonika came on top in terms of value agains Sierra, Peplink and Huawei.

Teltonika RUT series

Application sectors– Recreational vehicle connectivity

Recreational vehicle connectivity can be easily achieved with Teltonika RUT850:

- Plug and Play consumer level installation
- Ignition detection + sleep mode
- GPS (GNSS)
- Up to 80 WiFi clients simultaneously

TSW100

INDUSTRIAL UNMANAGED POE+ SWITCH

TSW100 – 5-port, unmanaged full Gigabit Ethernet switch supporting Power-over-Ethernet (802.3af and 802.3at standards).

POE

4 x PoE ports with 802.3af and 802.3at support

ETHERNET

5 x Gigabit Ethernet with speeds up to 1000 Mbps

POWER BUDGET

Total power budget at PSE up to 120 W

MOUNTING

DIN rail and surface mounting options

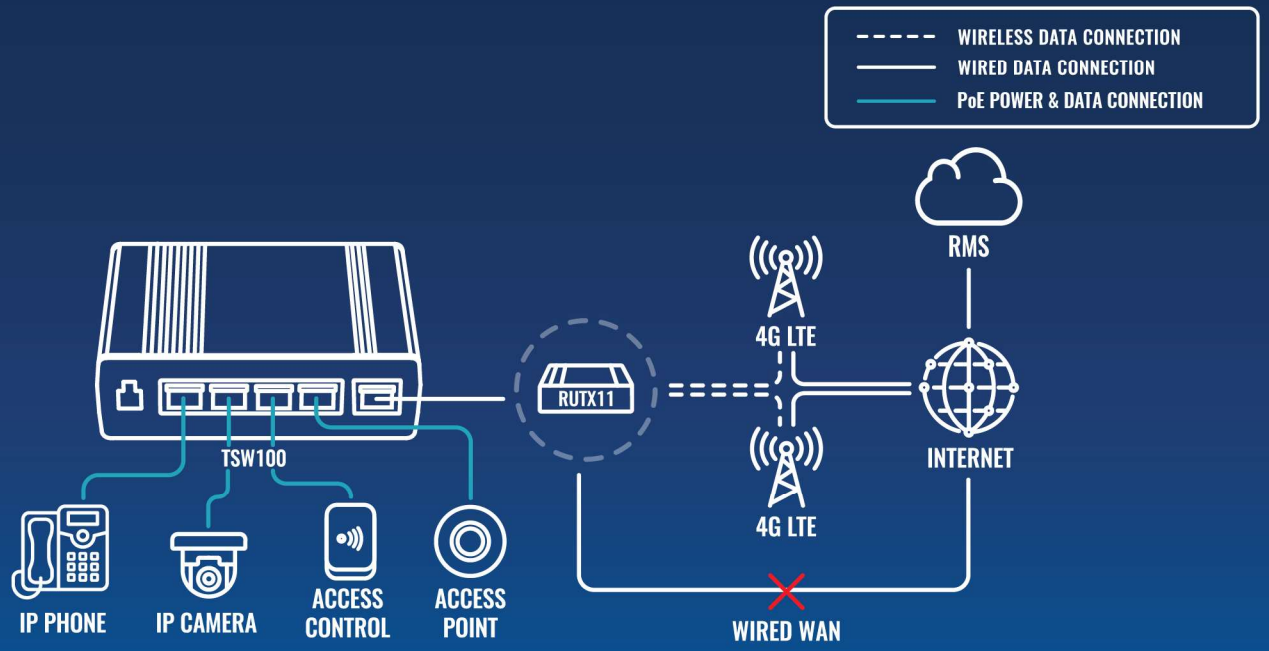
DURABLE

Rugged aluminium housing

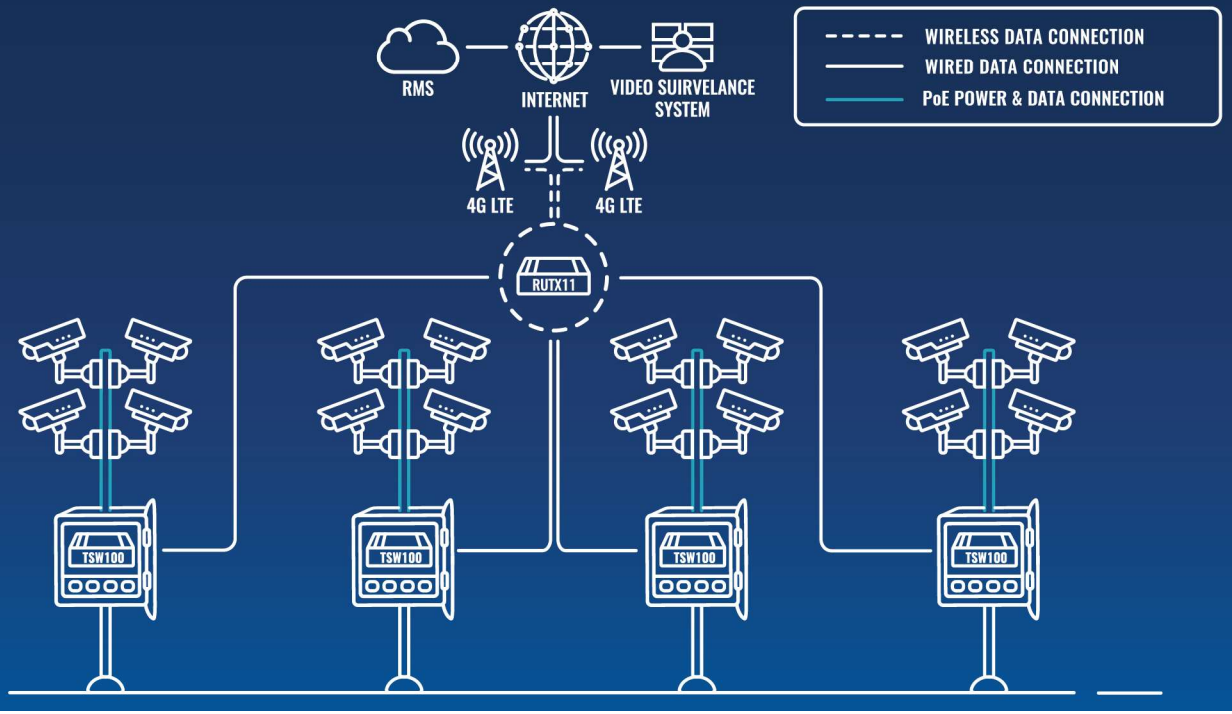
PLUG-N-PLAY

No additional configuration needed

PoE TECHNOLOGY SIMPLIFYING OFFICE NETWORK INTEGRATIONS



RELIABLE MULTIPLE CAMERA CONNECTIVITY



RUTX12

DUAL LTE CAT 6 INDUSTRIAL CELLULAR ROUTER

Powerful Dual LTE Cat 6 router is designed for mission critical applications. Equipped with two LTE modems for dual simultaneous connections allowing instant seamless LTE service switching and load balancing features make this device irreplaceable in applications where loosing connection is not an option.

DUAL LTE

Cellular speeds up to 600Mbps with dual simultaneous LTE CAT 6 connections

GNSS

Global Navigation Satellite System for location services and time synchronization

DUAL SIM

Instant failover switching

LOAD BALANCING

Allows to use multiple WAN sources to increase throughput

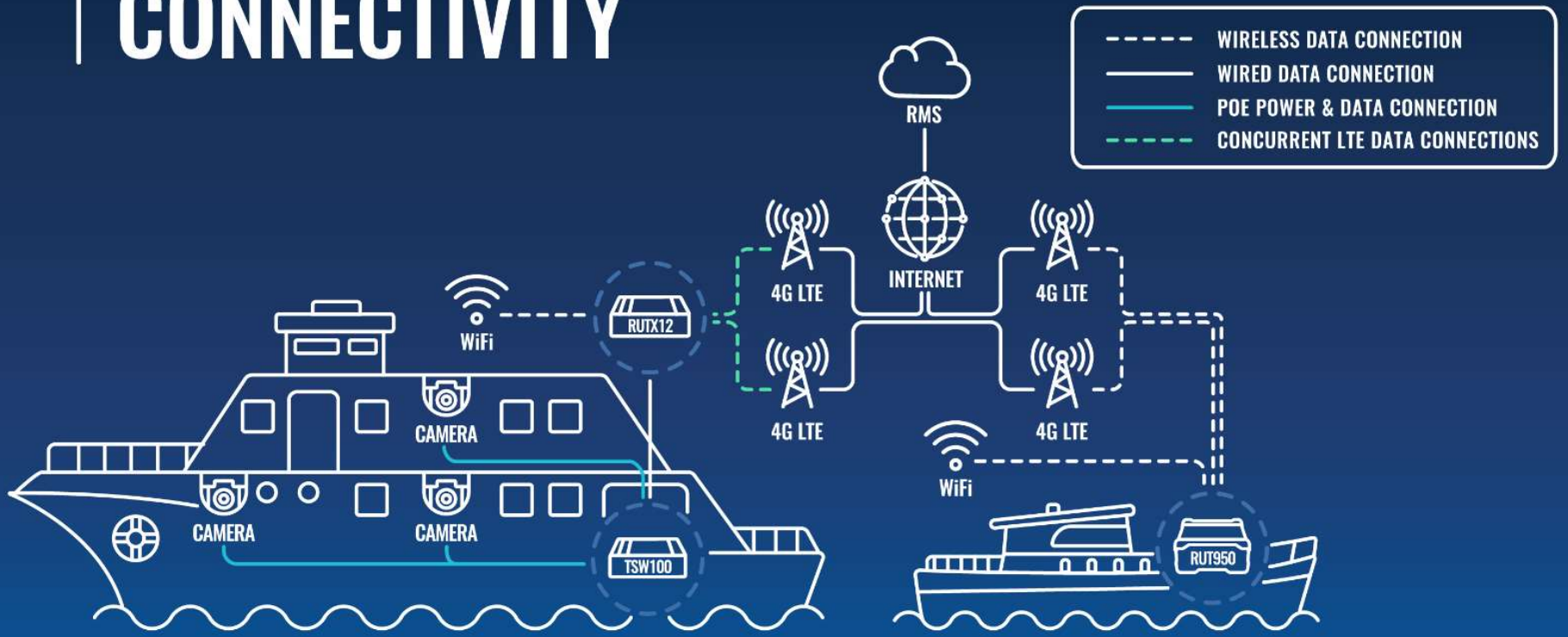
WIFI & BT

Wave-2 802.11ac Dual Band WIFI and Bluetooth LE

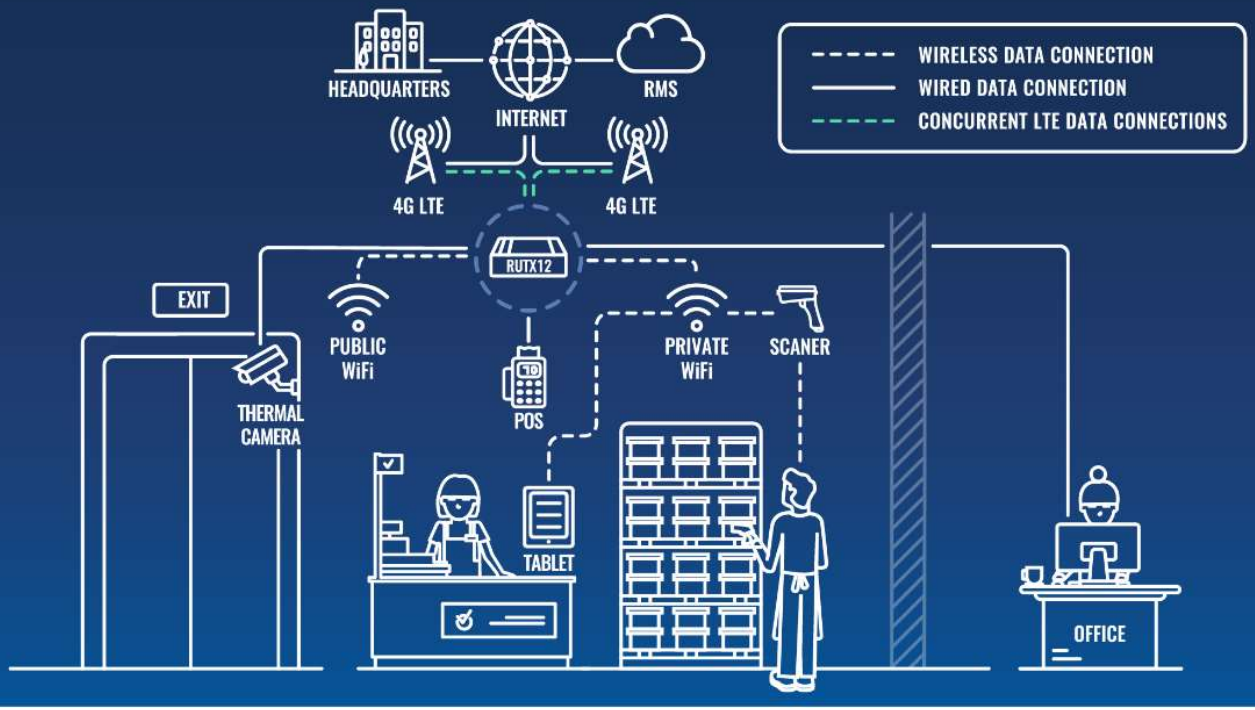
RMS

Compatible with Teltonika Remote Management System

USE CASE: BOAT AND YACHT CONNECTIVITY



FAST AND UNINTERRUPTED RETAIL CONNECTIVITY



Teltonika
RUT series

Carriers using Teltonikarouters:

Inspired by industry leaders, innovated for value and performance.

RUTXR1

ENTERPRISE RACK-MOUNTABLE SFP/LTE ROUTER

RUTXR1 360° VIEW

GIGABIT ETH

5 x Gigabit Ethernet ports

DUAL SIM

With auto failover, backup WAN and other switching scenarios

SFP

SFP port for long-range Fiber-optic communication

RMS

Compatible with Teltonika Remote Management System

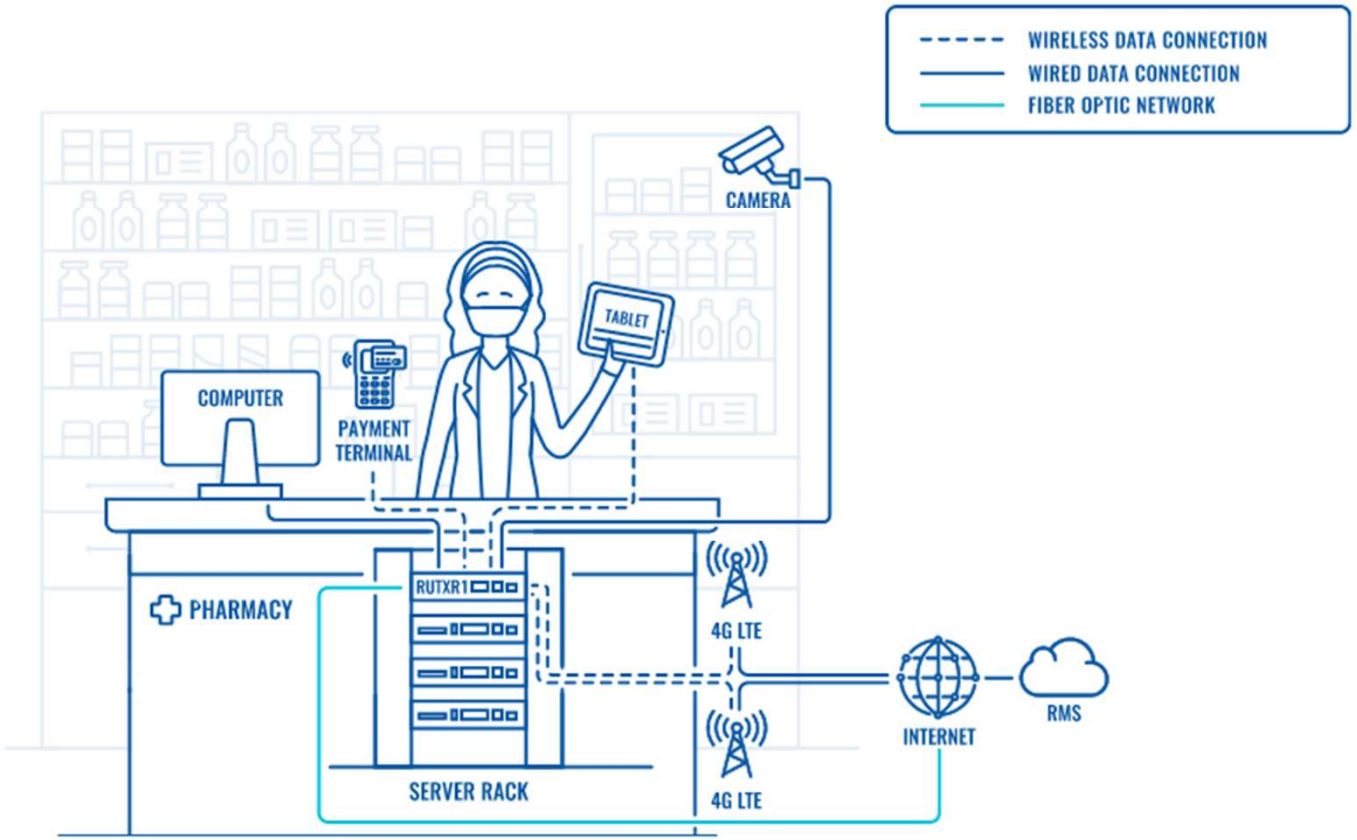
WIFI

Wave-2 802.11ac Dual Band WIFI

4G LTE CAT 6

Cellular speeds up to 300Mbps with Carrier Aggregation

TOPOLOGY


WIRELESS DATA CONNECTION
WIRED DATA CONNECTION
FIBER OPTIC NETWORK
CAMERA
TABLET
COMPUTER
PAYMENT TERMINAL
PHARMACY
RUTXR1
4G LTE
4G LTE
INTERNET
RMS
SERVER RACK

RUT360 features

/ 4G LTE CAT6

/ Full aluminium housing

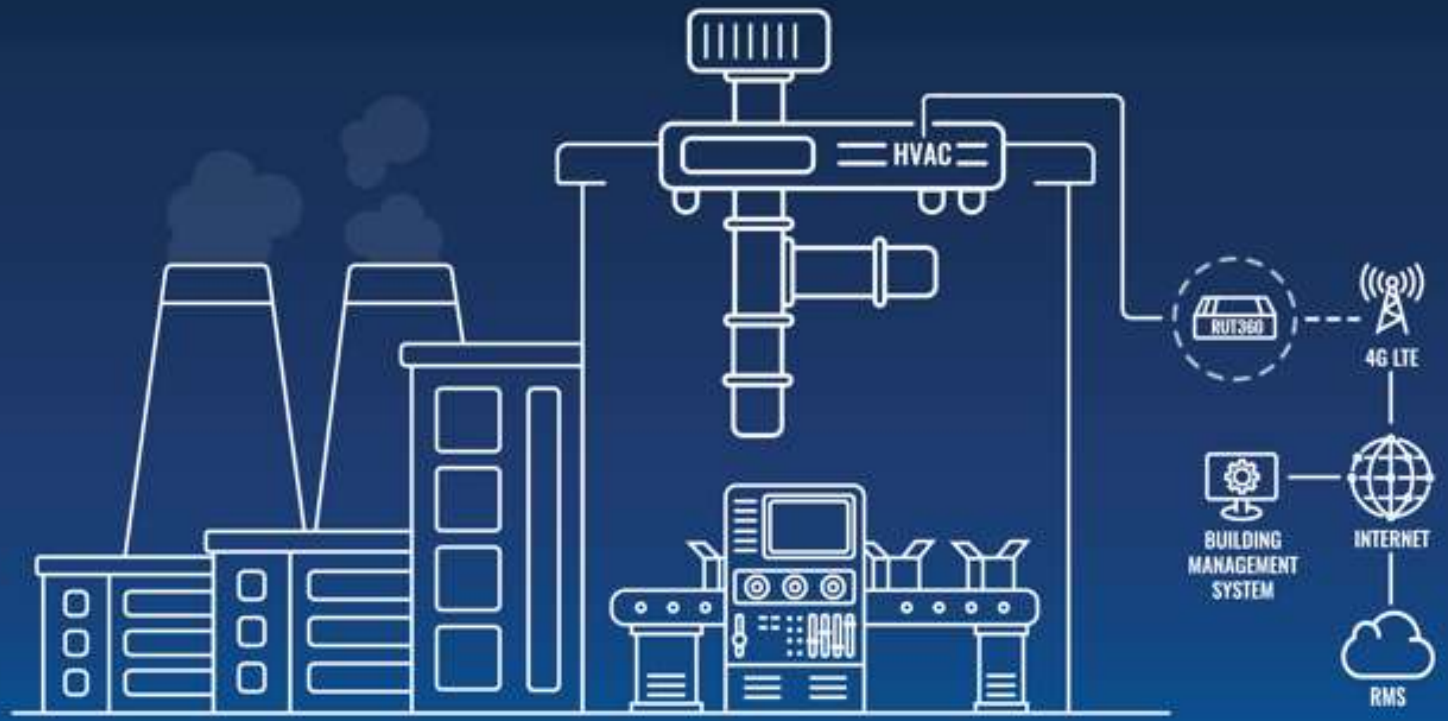
/ 2 Ethernet

/ DIN rail mounting option

/ 9 - 30 VDC input

/ 2.4 Ghz WiFi – 2x2 MIMO

RURAL AREA HVAC CONNECTIVITY



Utility
Transportation
Water industry
Solar energy industry
Wind energy industry
Small businesses
Rail
Public safety
Oil and gas industry
Field service
ATM
Construction

COMPETITIVE ADVANTAGES

FUNCTIONALITY
RUTOS SUPPORTS MULTIPLE INDUSTRIAL AND NETWORKING PROTOCOLS

EASY INTEGRATION
NO SPECIAL TRAINING NEEDED TO QUICKLY DEPLOY COMPLEX SOLUTIONS

SECURITY
VALIDATED BY NUMEROUS INDEPENDENT EXPERTS

PERFORMANCE
ENGINEERED AND TESTED FOR MISSION-CRITICAL APPLICATIONS

TECHNOLOGY
IN-HOUSE DEVELOPED RELIABLE HARDWARE IN DURABLE CASINGS

PRODUCT PORTFOLIO
16 PRODUCTS TO ACCESS
200+ BUSINESS CASES

TELTONIKA

LETS GROW YOUR BUSINESS TOGETHER

TRUST

HELP

VALUE