

NavigateWorx Technologies

Guangzhou Navigatworx Technologies Co., Ltd is a dedicated IIoT / M2M Hardware Manufacturer and Solution Provider.



Presented by NavigateWorx Marketing Team

Since its establishment on the forefront of the evolving IIoT / M2M Industry, she offers an unique combination of extremely talented Wireless and Wireline Experts to help you navigate the overwhelmingly complicated IIoT / M2M Industry.

CHAPTER ONE



ABOUT US

NavigateWorx Brief Introduction

1

ESTABLISHMENT IN 2015

Catching up with the tails of IIoT / M2M Trend, NavigateWorx was born at the right time to join in the IOT / M2M EcoSystem, serving for more than 80 Countries.

2

HEADQUARTER IN GUANGZHOU CHINA

Thanks for so many excellent Universities in Guangzhou that we organized a professional Team that excellent in both Technical and International Marketing / English Communication Skills.

3

ISO9001-2015 Certified Company

NavigateWorx is an ISO9001-2015 certified Company that we design and manufacture all our Products strictly according to ISO9001-2015 Standards.

4

MORE THAN 40% R&D FORCES

Most of our R&D Engineers “graduated” from big Group like Huawei / ZTE, we know pretty well about the Applications and Customer Demands, if you don't believe, then let us try it.

5

FOCUS ON IIOT / M2M

Unlike other Group joining in several Product Sessions and that causes the distraction, but we only focus on IIoT / M2M EcoSystem. We are a young but innovative Team; Energetic but seasoned, fully capable to provide our Customer First Class Services.

6

GLOBAL SALES NETWORK

With years hardworking and proper marketing strategy, we had established a solid Global Sales Network and more and more top tier Partners had approved our quality and working with us.



ABOUT US

NavigateWorx's Core Value.



Vision

To be a world-class IIoT / M2M Hardware Manufacturer and Solution Provider.



Mission

Continue to concentrate on fragmented IoT / M2M Market and come up with more Solutions that be good to IoT / M2M History.



Value

Integrity, Service, Honor



ABOUT US

NavigateWorx's Global Footprint



Our Footprint Globally (Examples):

- With trustable Quality and experienced Support, we're getting more and more reputable in the Market.
- Why not join in the fantastic IoT / M2M Market and enjoy the Party with us? Waiting You.
- Hereby list some of our Partners that we're working closely to serve the rapidly developing IoT / M2M Market.



Norway

Company: Autic System AS
Rank: RedLion's Official Distributor



Switzerland

Company: Omni Ray AG
Rank: Moxa's Official Distributor



Denmark

Company: Thiim A/S
Rank: Moxa's Official Distributor



Czech Republic

Company: ELVAC a.s.
Rank: Moxa's Official Distributor



Hungary

Company: Com-Forth Ipari Informatikai Kft.
Rank: Moxa's Official Distributor



ABOUT US

NavigateWorx Global Partners Examples



ZTE

SIEMENS

ABB



การไฟฟ้านครหลวง
Metropolitan Electricity Authority



DublinAirport



中国移动通信
CHINA MOBILE



PEA
Provincial Electricity Authority

Honeywell

THE POWER OF **CONNECTED**

Some Great Group
we're working either
straightly or
indirectly





ABOUT US

NavigateWorx Team Membership



We are very influential !!!

NavigateWorx Technologies is an Industrial M2M / IoT Hardware Manufacturer and Solution Provider. Since its Establishment on the forefront of the evolving Machine-to-Machine / Internet of Things Industry, she offers an unique combination of extremely talented Wireless & Wireline Engineers with Industry Experts to help you navigate the overwhelmingly complicated M2M / IoT Industry.



Professional

Averagely each Team Member has been in IoT / M2M Market for more than 5 Years.



Efficient

We request each Sales to response Customers with 12 Hours globally.



Reliable

We know the Applications and would provide the most suitable Solution for you.



Inspiration

Each Team Member would be encouraged and trained to be more professional.



Responsibility

We would follow up from Appetizer to Dessert. We deliver, we care.

We continue to learn and embrace the front line of advanced technology in the IIoT / M2M Space and bring practical and dependable Solutions to our customers. We have enhanced and utilized the most effective and efficient Technologies, Processes, and Procedures in the IIoT / M2M Market to continuously develop, deploy, manage our products and services to our customers.

CHAPTER TWO



NAVIGATEWORX PRODUCTLINE

NavigateWorx Productline



NR300

NR300 is the very cost effective Industrial 4G VPN Routers that be suitable for budget limited projects.



NR310

NR310 is the very cost effective Industrial 4G VPN Routers that be suitable for budget limited projects.



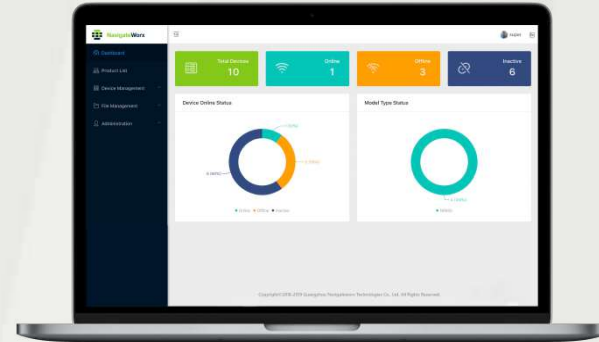
NR500

NR500 is the rugged impact Industrial Cellular VPN Routers that with multiple interfaces for different kinds of applications.



NR600-5G

NR600-5G is a 5G Edge Computing Gateway that you can different kinds of customization possibilities. Ideal for IOT-advanced applications.



Devices Management Platform

Secure connection, flexible deployment and centralized management of large quantities devices



NAVIGATEWORX PRODUCTLINE

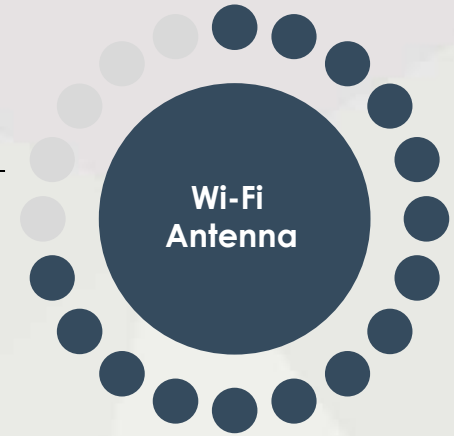
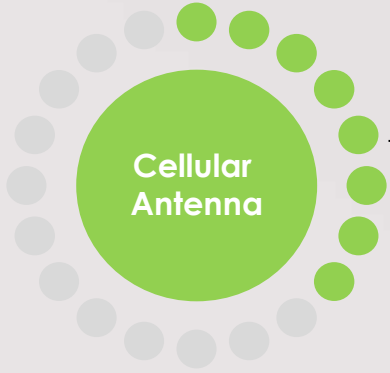
NavigateWorx NR300-4G Cost Effective Router





NAVIGATEWORX PRODUCTLINE

NavigateWorx NR310-4G Cost Effective Router





NAVIGATEWORX PRODUCTLINE

NavigateWorx Router Comparison Table

Comparison Table Of NR300-4G & NR310-4G		
	NR300-4G	NR310-4G
Part Number	A301430	A312430
Ethernet Ports	1	2
Cellular	4G	4G
Wi-Fi	No	Yes
RS232	1	
RS485	1	
DI	NIL	
DO	NIL	
Power Input	9 – 36 VDC	
Working Temp.	- 40 To 75 Degree	
VPNs	OpenVPN, GRE, IPSec, L2TP, PPTP, DMVPN	
Config	Local Web & SNMP & CLI Configuration & Management Platform	



NAVIGATEWORX PRODUCTLINE

NavigateWorx NR500 Rugged Routers



NR500-Standard



NR500-Pro



NR500-NC (No Cellular)



- 2 Ethernet Ports
- 1 RS232 & 1 RS485
- 2 Digital Input & 2 Digital Output
- Dual SIMs Backup, Wi-Fi is optional
- Wide Operating Temperature: -40 to 75
- Wide Range Power Input: 9 to 48V
- Hardware RTC & Watchdog
- Link Failover from LTE / Ethernet / Wi-Fi
- Wi-Fi AP & Client Mode (Wi-Fi Optional)
- 6 LED Indicators
- Timer Reboot / SMS Reboot
- LTE Connected on Demand
- Multiple VPNs Supported
- Local Web & SNMP & CLI Configuration

- 4 Ethernet Ports
- 1 RS232 & 1 RS485
- 2 Digital Input & 2 Digital Output
- Dual SIMs Backup, Wi-Fi is optional
- Wide Operating Temperature: -40 to 75
- Wide Range Power Input: 9 to 48V
- Hardware RTC & Watchdog
- Link Failover from LTE / Ethernet / Wi-Fi
- Wi-Fi AP & Client Mode (Wi-Fi Optional)
- 6 LED Indicators
- Timer Reboot / SMS Reboot
- LTE Connected on Demand
- Multiple VPNs Supported
- Local Web & SNMP & CLI Configuration

- 2 / 4 Ethernet Ports
- 1 RS232 & 1 RS485
- 2 Digital Input & 2 Digital Output
- Wide Operating Temperature: -40 to 75
- Wide Range Power Input: 9 to 48V
- Hardware RTC & Watchdog
- Link Failover from LTE / Ethernet / Wi-Fi
- Wi-Fi AP & Client Mode (Wi-Fi Optional)
- 2 LED Indicators
- Timer Reboot / SMS Reboot
- Multiple VPNs Supported
- Local Web & SNMP & CLI Configuration



NAVIGATEWORX PRODUCTLINE

NavigateWorx Router Comparison Table

Comparison Table Of NR500-Standard & NR500-Pro

	NR500-Standard				NR500-Pro			
	NR500-S3G	NR500-S3G	NR500-S4G	NR500-S4G	NR500-P3G	NR500-P3G	NR500-P4G	NR500-P4G
Part Number	A502333	A512333	A502433	A512433	A504333	A514333	A504433	A514433
Ethernet Ports	2				4			
Cellular	3G		4G		3G		4G	
Wi-Fi	No	Yes	No	Yes	No	Yes	No	Yes
RS232	1							
RS485	1							
DI	2							
DO	2							
Power Input	9 – 48 VDC							
Working Temp.	- 40 To 75 Degree							
VPNs	OpenVPN, GRE, IPSec, L2TP, PPTP, DMVPN							
Config	Local Web & SNMP & CLI Configuration & Management Platform							



NAVIGATEWORX PRODUCTLINE

NavigateWorx NR600 5G Edge Computing Gateway

5G / 4G / 3G / 2G

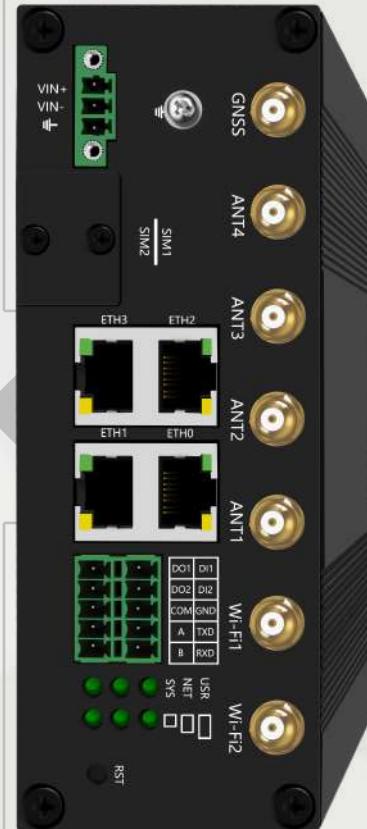
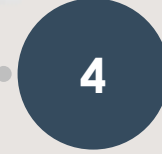
In the upfront of 5G Era, with strong chipset that has multiple possibilities for different kinds of applications environment. To be released in Q3.

Dual WiFi

Dual WiFi (2.4 GHz + 5.8 GHz)

Customization Capability

Dual Boards Designs, very flexible for different kinds of Customizations.



Interfaces

1. 1 WAN+3 LAN, Auto 10/100/1000
2. Dual SIMs
3. 1 USB Host

GPS

GPS is optional

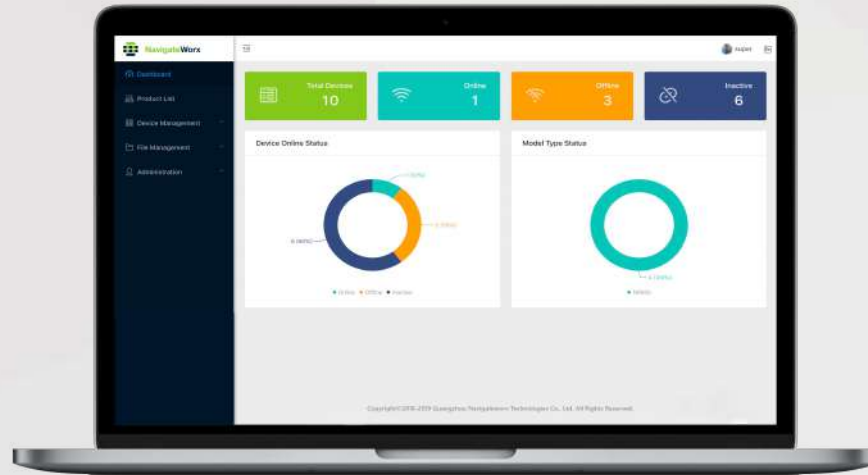
Industrial Design

Fully Industrial Design with Aluminum Housing.



NAVIGATEWORX PRODUCTLINE

NavigateWorx Devices Management Platform



What are the most importances of a qualified Platform?

- Security
- Reliability
- Scalability
- Flexibility
- Simplicity

Key Benefits:

- Remote Monitoring
- Remote Firmware Upgrade
- Remote APP Upgrade
- Remote Configuration Upgrade
- Devices Statistics
- User Management
- Devices Management
- Devices Maintenance
- High Stability
- Deployed on public Cloud like Amazon or local host

Secure connection, flexible deployment and centralized management of large quantities devices.

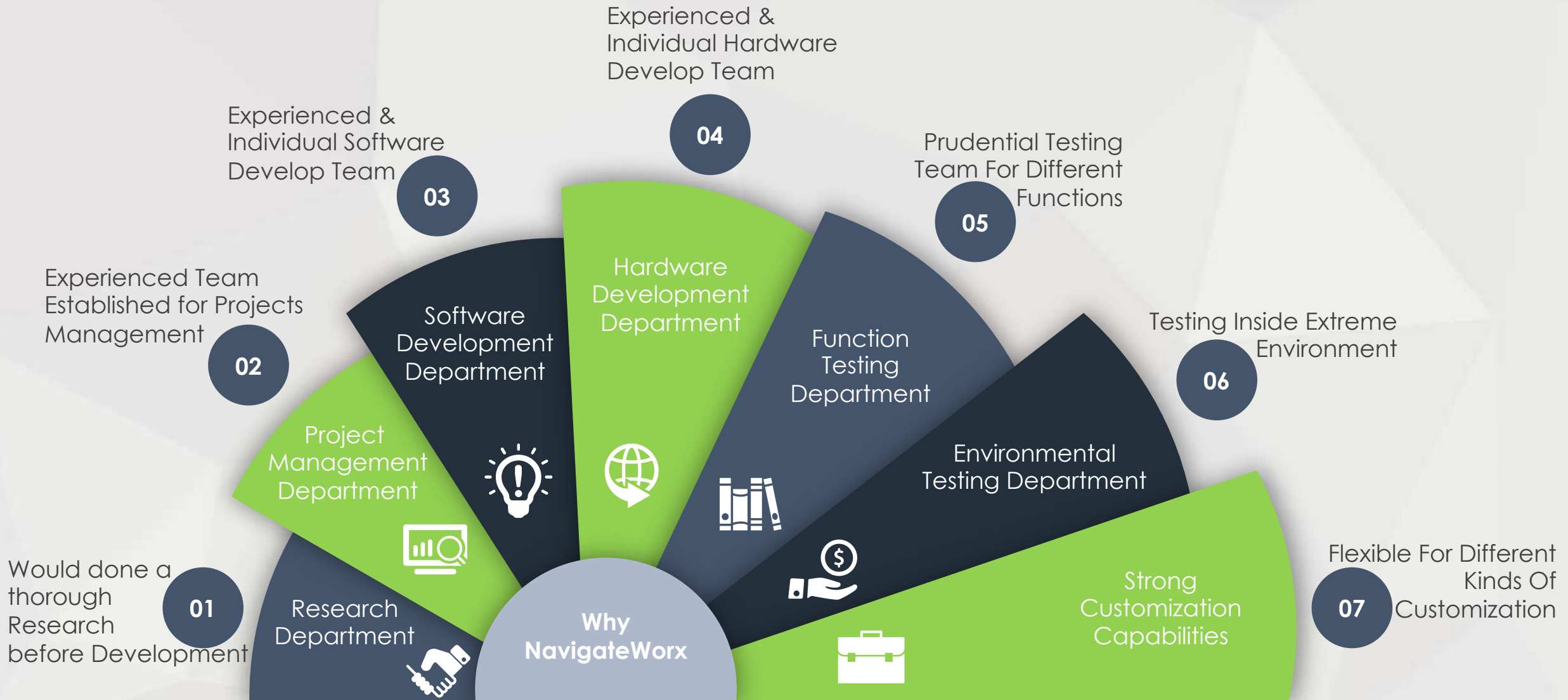
NavigateWorx Hardwares and Solutions had been widely used in different vertical markets like Energy (e.g. Wind Turbine Generator Monitoring), Retail (e.g. Vending Machines / Kiosk), Smart City (e.g. Video Surveillance), Environment (e.g. Weather Station Remote Monitoring), Transportation (e.g. Intelligent Traffic System), Industrial Automation (e.g. Package Machines Remote Monitoring) etc. With the great help of Global Distribution Network, our Routers had been shipped to more than 80 Countries and we're proud to contribute our effort into IIoT / M2M Market.

CHAPTER THREE



WHY NAVIGATEWORX

NavigateWorx has a complete and solid Company Structure





WHY NAVIGATEWORX

NavigateWorx's Supporting Policy

We reply Customers' Email:
Except Americas: Within 2 H
Americas Regions: Within 12 H.

01

**Sales
Support**

We request to response:
Except Americas: Within 2 H
Americas Regions:
Within 12 H.

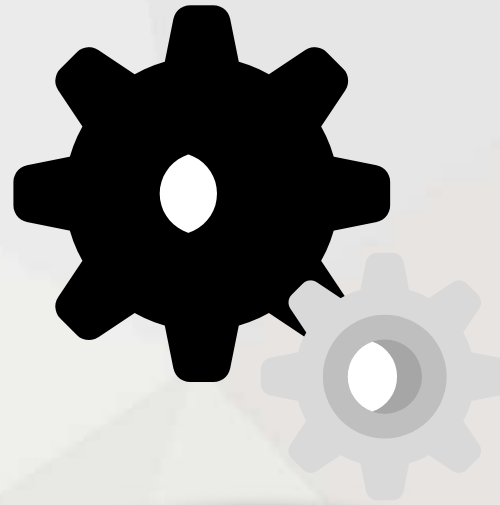
02

**Technical
Support**

We request to response:
Except Americas: Within 2 H
Americas Regions: Within 12
H.

03

**General
Inquiries**



How we support our
Global Customers?

04

**Skype / Zoom
/ Visiting**

For Sales Support, we
organize online Meeting
through Skype, Zoom etc
and have routine /
Exhibition / Visiting Plan.

05

**Skype /
TeamViewer /
Onsite**

For Technical Support,
we provide Skype,
TeamViewer, etc or
even onsite Support
for Projects.

06

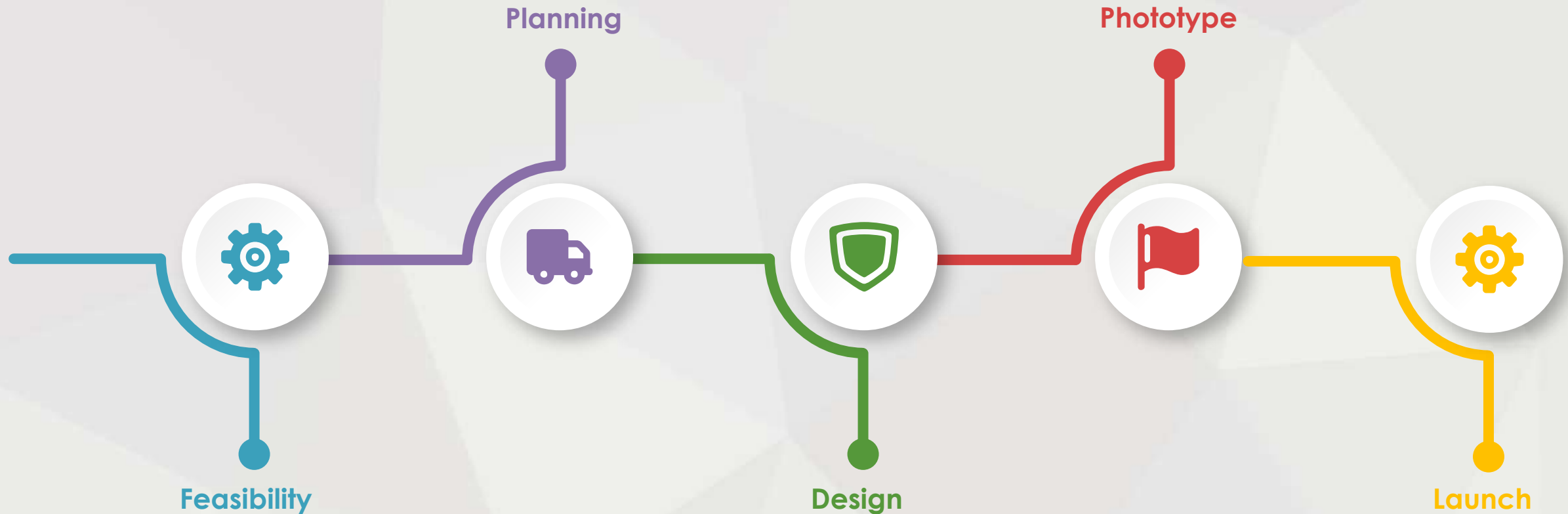
**Telephone
/ Emails /
Fax**

For General Inquiries,
welcome to contact us
via Telephone, Emails,
Fax etc. We're always
here to listen and assist.



WHY NAVIGATEWORX

NavigateWorx's Fast Time To The Market

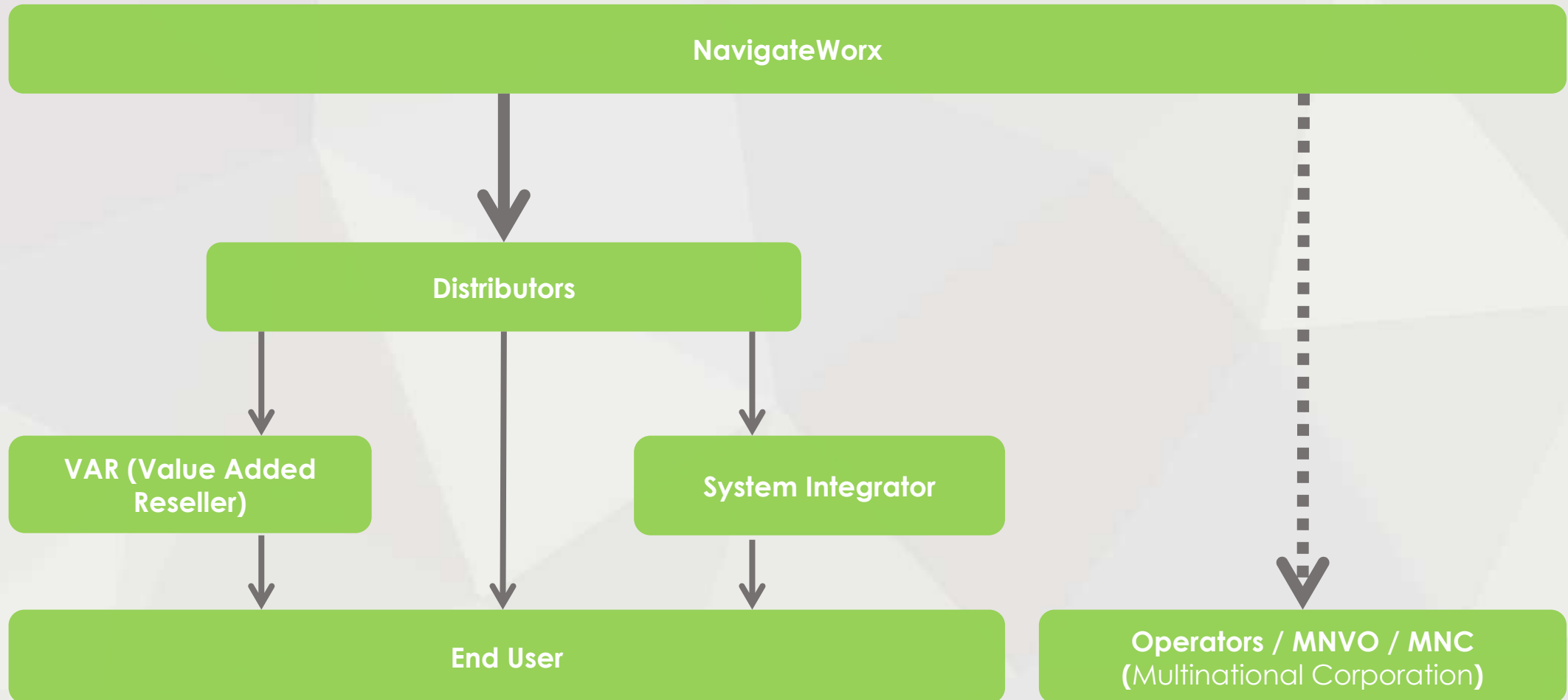


- Typical IPD (Integrated Product Design) period for a new M2M Gateway / Routers (Totally 2-3 Months).
- Modular Software Design, optimized Embedded Operating System.
- Familiar with different Industrial Interfaces and Protocols.
- Familiar with high Speed PCB Design and EMC Optimization.



WHY NAVIGATEWORX

NavigateWorx Global Channel Partner Policy



CHAPTER FOUR

NavigateWorx would continually concentrate on IIoT / M2M Industry and bring more and more reliable, trustable Solution for our clients. That is NavigateWorx.



VERTICAL MARKETS & APPLICATIONS

IOT / M2M Market's Complexity



**Market & Technology
Fragmentation**



**M2M/IoT Development
Complexity**



OT + IT Merging

Market & Technology Fragmentation

Hardware, Software, Protocols... All are different, independent;
Lack of Integration between devices to Enterprise Systems.

M2M/IoT Development Complexity

Many different Skills are required;
Hardware, Embedded, Software, IT, Telecom.

OT + IT Merging

85% of APPs includes existing Legacy Systems

We wish to help on with our professionalism.



VERTICAL MARKETS & APPLICATIONS

IoT / M2M EcoSystem



Applications Layer

Application Developer like SAP, ORACLE etc



Middleware Layer

Company like Cumulocity, ThingWorx etc for Data Collection, Storage, Analysis etc.



Internet Layer

ISP Layer like China Unicon, China Mobile, China Telecom, AT&T etc.



Access Gateway Layer

Router like NavigaetWorx NR500



Sensor Layer

Different kinds of Sensors like Temperature, Humidity, Pressure etc.



VERTICAL MARKETS & APPLICATIONS

NavigateWorx focuses on below Vertical Markets and Applications



Video Surveillance

- Video Surveillance
- Data Collection



Retails Market

- ATMs
- Vending Machine
- Gambling Machine
- Digital Signage
- Kiosks



Remote Monitoring

- Remote Control
- Remote Diagnose
- Remote Maintenance
- SCADA



Intelligent Transportation

- Traffic Management
- Fleet Management
- Smart Bus



Industrial Automation

- HVAC
- Pump Control
- Access Control

VERTICAL MARKETS & APPLICATIONS

IoT / M2M Application Topology Example

ATM



Vending / Kiosk



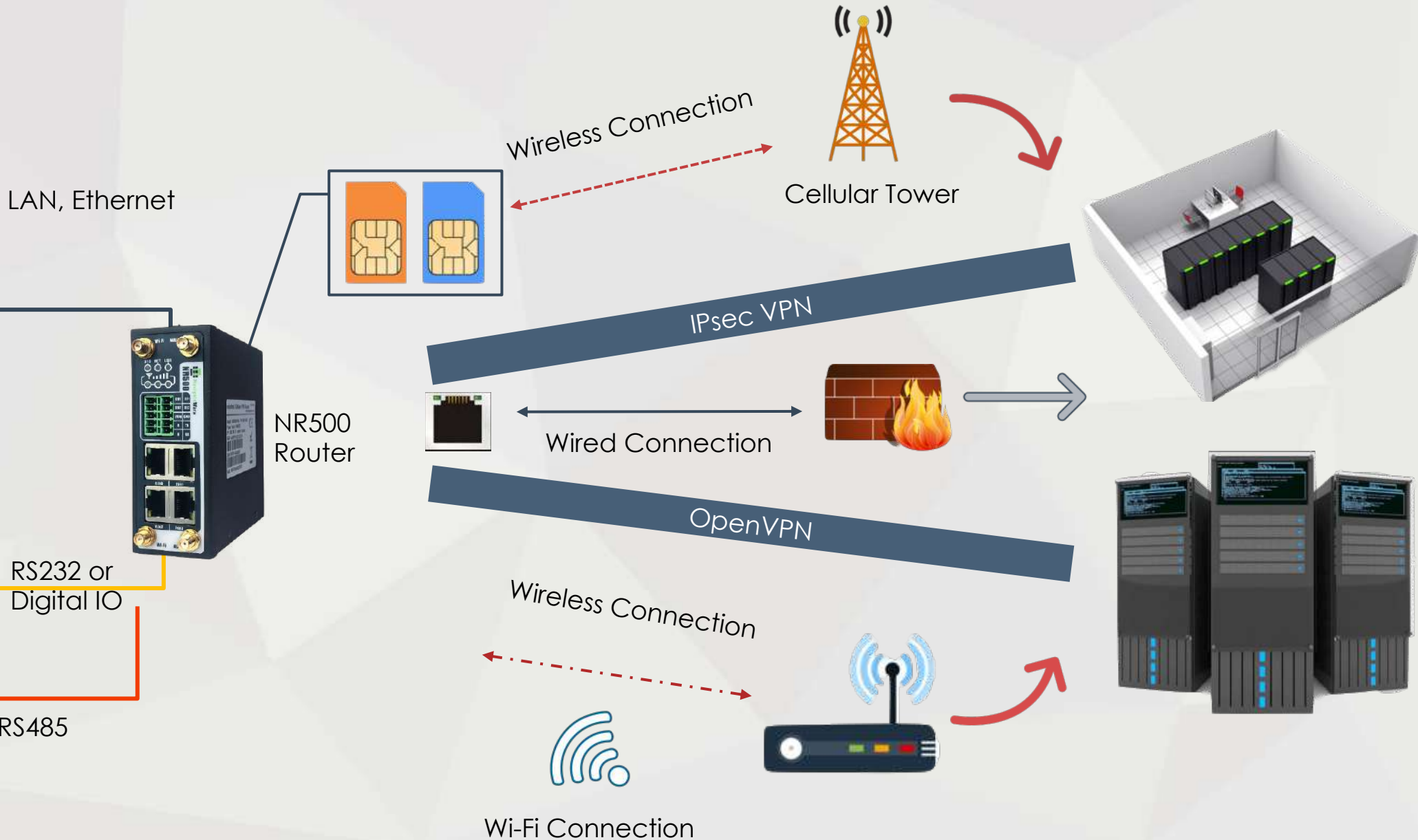
Public Safety



PLC



Meters



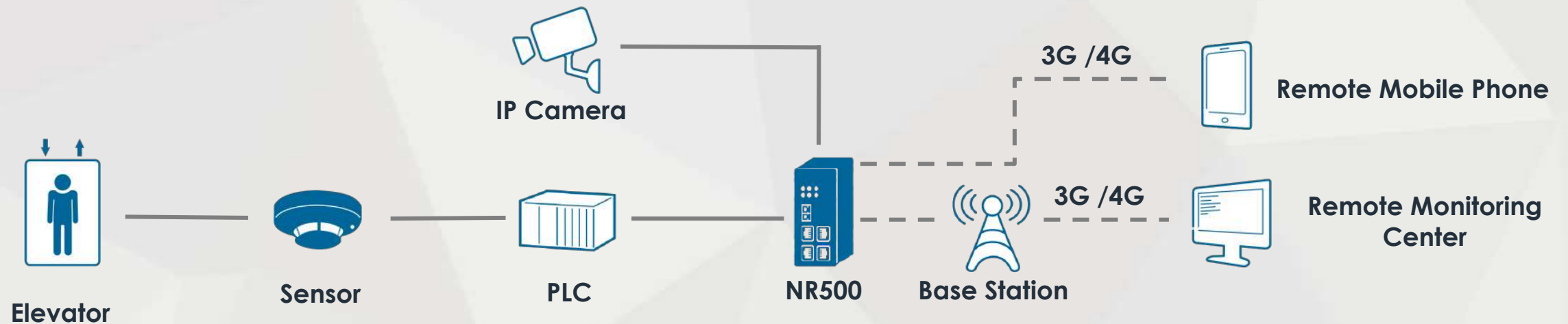


VERTICAL MARKETS & APPLICATIONS

Intelligent Elevator System

More and more Modern Buildings had been equip with Elevators and they run into Failure time to time. So having instant Sensors to monitor the Status of the Elevators is becoming critically important nowadays.

Background



Solution

NR500 Family with abundant Interfaces like RS485, RJ45 provides cellular connection to the remote PLC / Elevator. Then the System would send Message / Email to Central Engineers immediately once Failure detected.

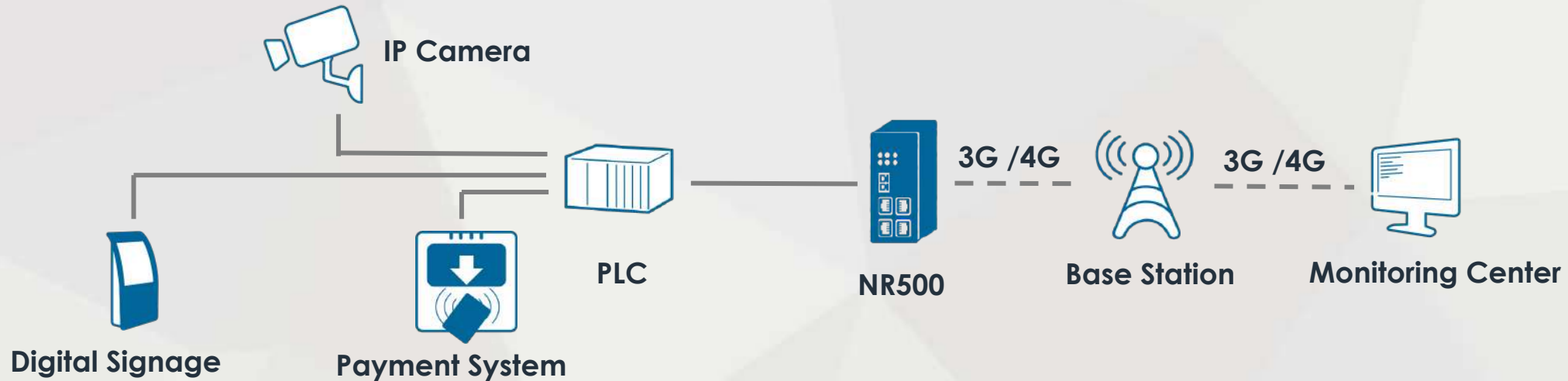


VERTICAL MARKETS & APPLICATIONS

Intelligent Bus System

Smart Bus has a complete and intelligent System that consists of Payment System, Monitoring System and Media Video System. Bus Management Operation Company need to get the real-time Status and push Media out for Commercial Purpose.

Background



Solution

Industrial NR500 Router provide rugged and reliable remote connection in order to link up the Central Management Office and each Bus. Narrow GPRS Band Width had been replaced by 3G / 4G in order to be more efficient and reliable.

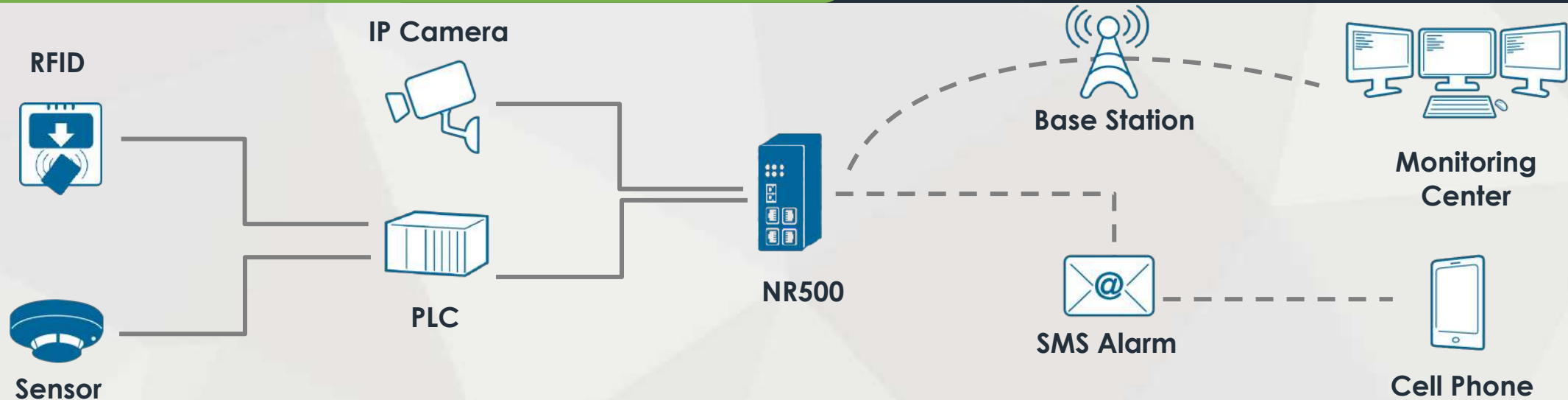


VERTICAL MARKETS & APPLICATIONS

Intelligent Guarding System

Background

Real time Guarding System is critically necessary for some large and crowded Buildings especially after many terrorist activities. While the problem is that Human Cost had increased a lot and less and less people picks up the career of Guardian.



Solution

4G Instant NR500 Router is integrated into the Guarding System with IP Cameras, RFID Scanner and multiple Sensors, collecting Data and send back to Monitoring Center. And send our Alert Message / Email to Security Center when accident occurs.



VERTICAL MARKETS & APPLICATIONS

Intelligent Traffic Control System

Unlike the Modern Cities, some rural areas without Fiber Optics, is very difficult to collect data from traffic light controller. So 3G / 4G is becoming more and more popular in those rural areas.

Background

Traffic Light



Sensors



Controller

RS485



NR500

3G / 4G



Base Station

3G / 4G



SCADA Center

Solution

NR500 Router with RS485 Interface connected to the TLC (Traffic Light Controller), and then send the Traffic Light Data to the Monitoring Center, making sure that the Traffic Light System is working normally and efficiently.



VERTICAL MARKETS & APPLICATIONS

Intelligent Waste Water Control System

Waste Water Plant is usually built in rural areas that it's not logical to send Engineers to the site every short period and especially when small Issue occurs, sending people go-and-back cost too much resources waste.

Background



Reliable and trustable NR500 Router is connected to different components in Waste Water Plant, and transparently transmit the data back to the Monitoring Center periodically, especially when detect Failures, then would alert the Engineers immediately.

Solution



QUESTIONS & ANSWERS

NavigateWorx is a dedicated Industrial IoT / M2M Hardware Manufacturer and Solution Provider.



Questions & Answers

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We accompany with you 24H / 7D

THANKS FOR
WATCHING