

CONTAINER PORT AUTOMATION & PORT SECURITY

MARITIME'S WEEK 2025

In partnership with
HIKVision and Exclusive Networks

Presented by :

DR. VIV PADAYATCHY

Date :

23 JANUARY 2025



CYBER NAPTICS



About us

Cybernaptics was founded in 2009 with the aim to provide top-notch IT solutions to businesses across different industries including manufacturing, finance, health, retail, and others.

We extend our services in Mauritius and abroad.

Our mission: To give our clients a business-critical IT advantage by delivering innovative, flexible and bespoke IT solutions, backed by our team of talented and passionate experts.

Our footprint



01

Head Office

- Mauritius

02

East Africa

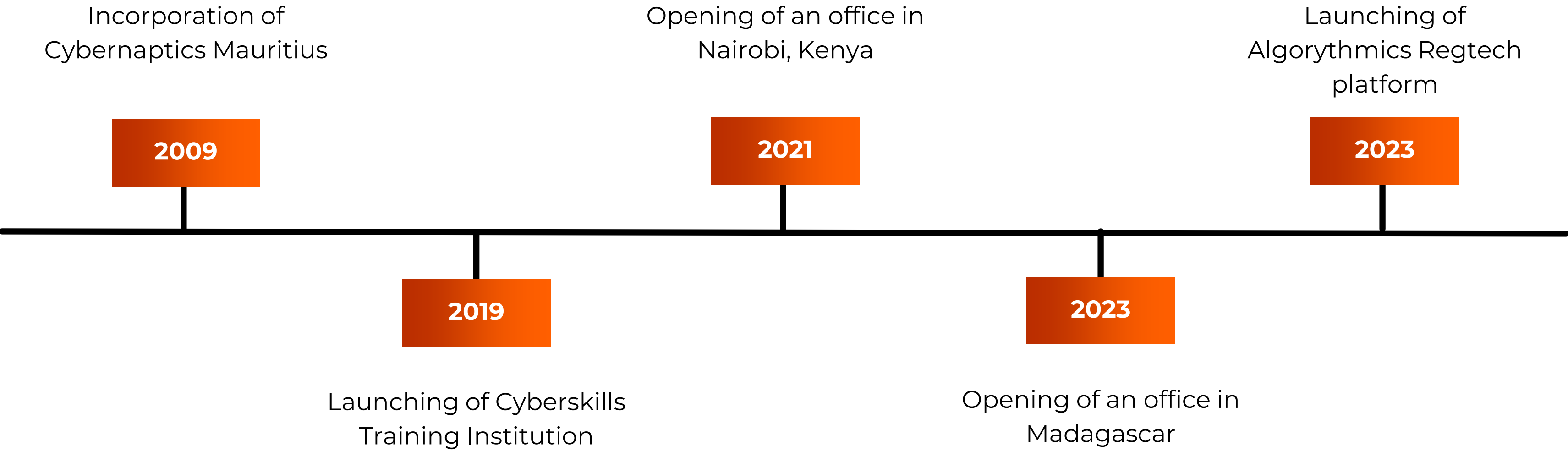
- Kenya

03

Indian Ocean

- Madagascar

Timeline



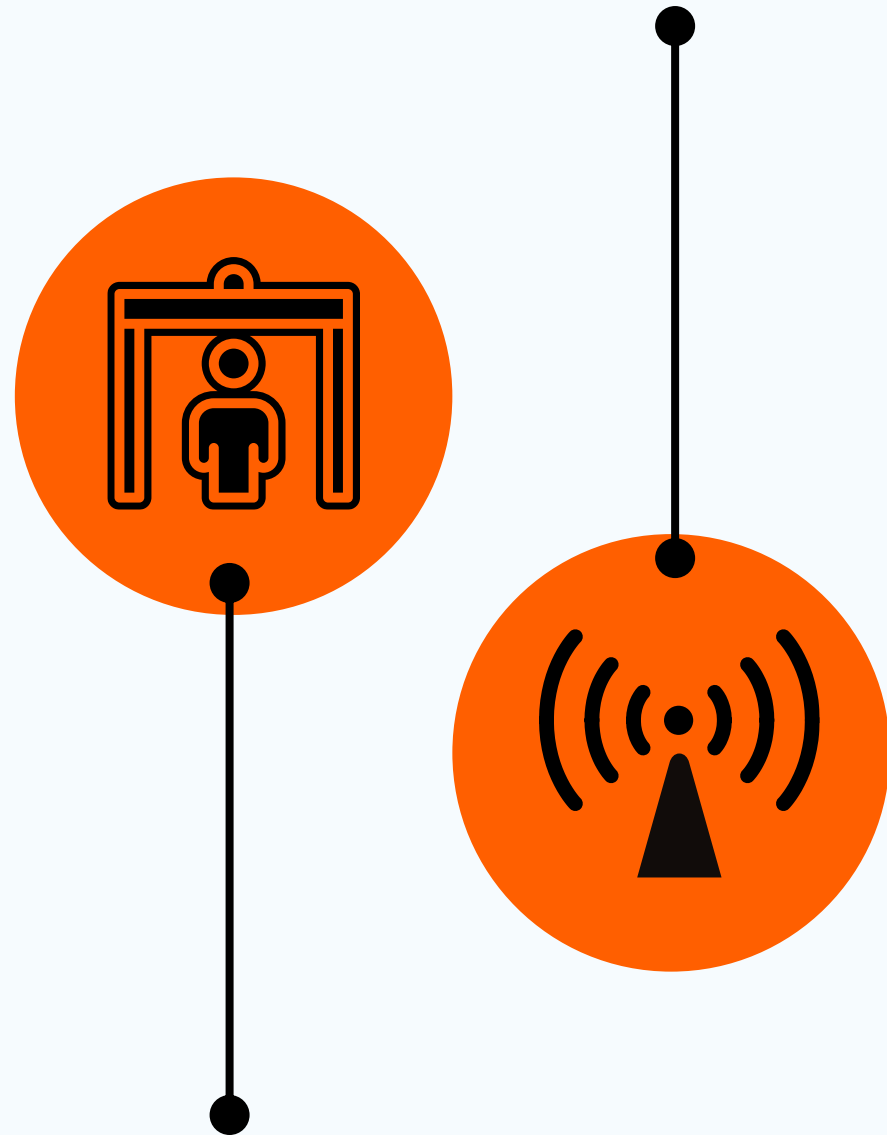


Pioneers in Port Solutions since 2009

- Support business digital transformation in a completely secure environment
- Specialized in traceability & mobility
- Innovative & tailor-made solutions for the supply chain, logistics, transportation, and manufacturing industries
- Optimization of processes

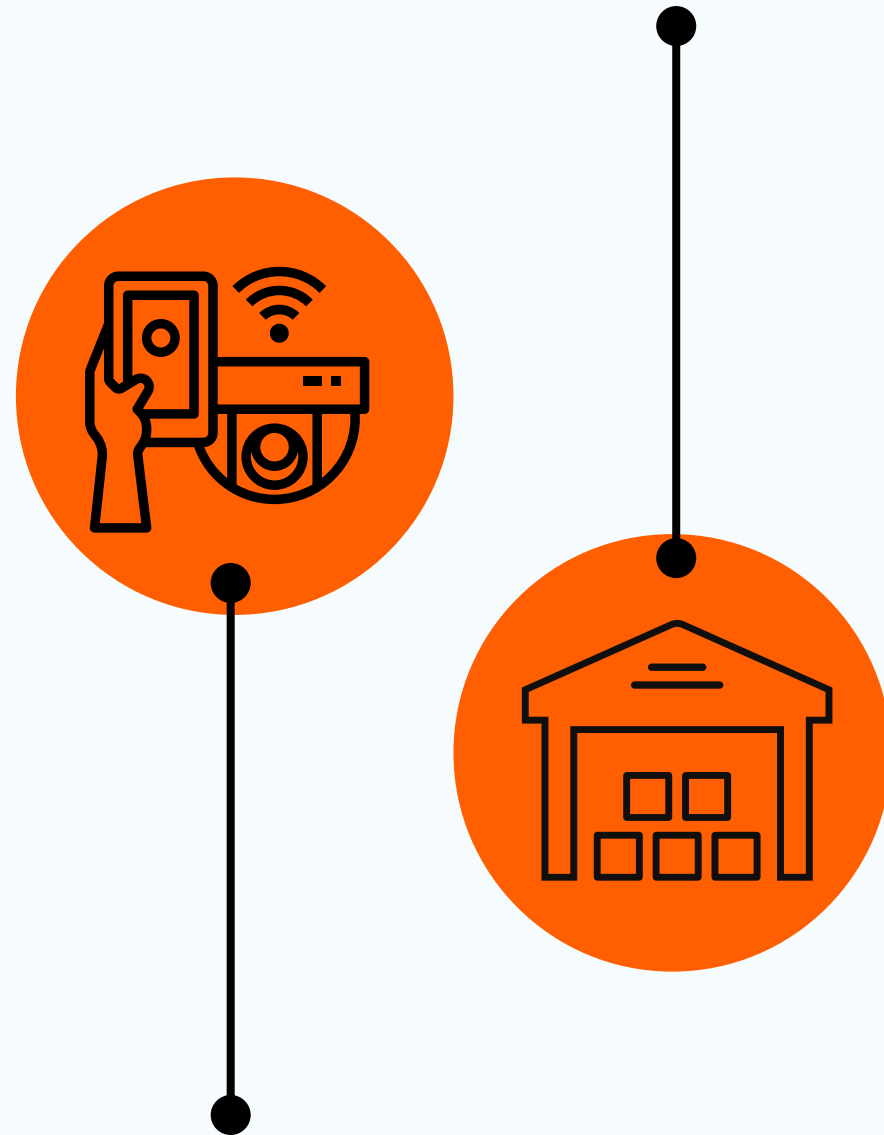
Ports digitalization

Wireless Infrastructure

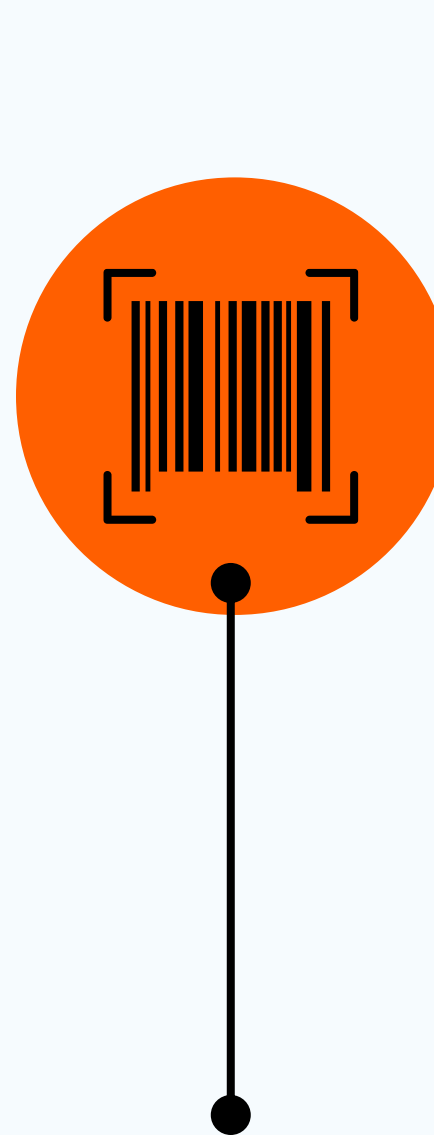


**Gate Control
Automation**

Warehouse Management



Security



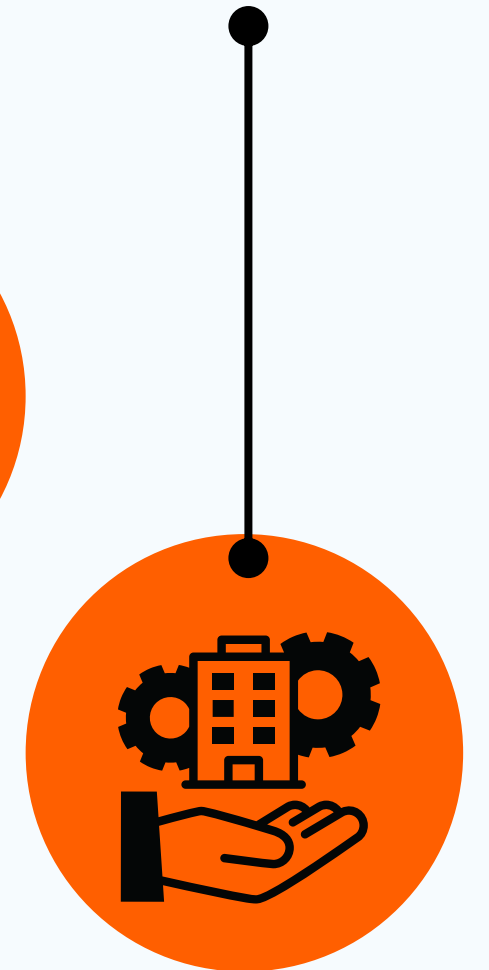
**Mobility &
Traceability**

Internet of Things



**Process
Automation**

Asset Management



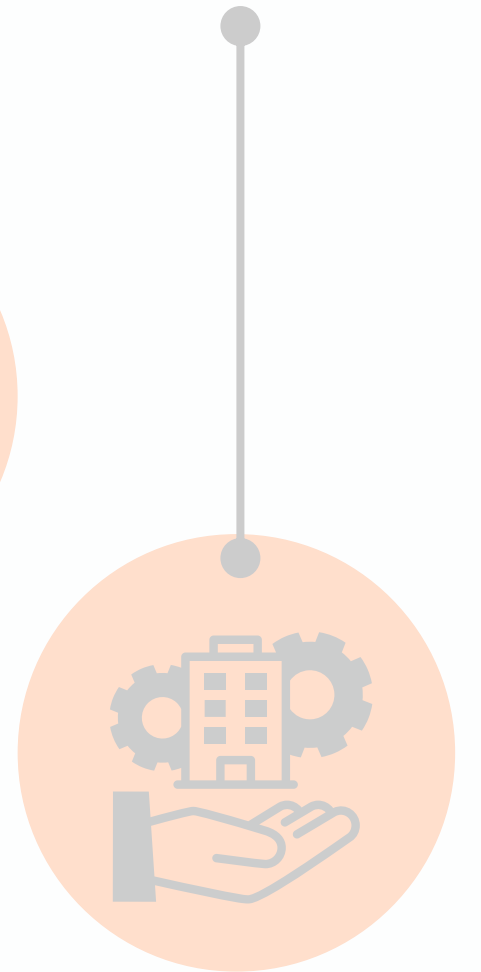
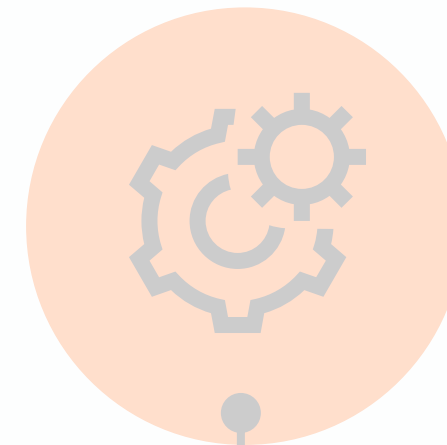
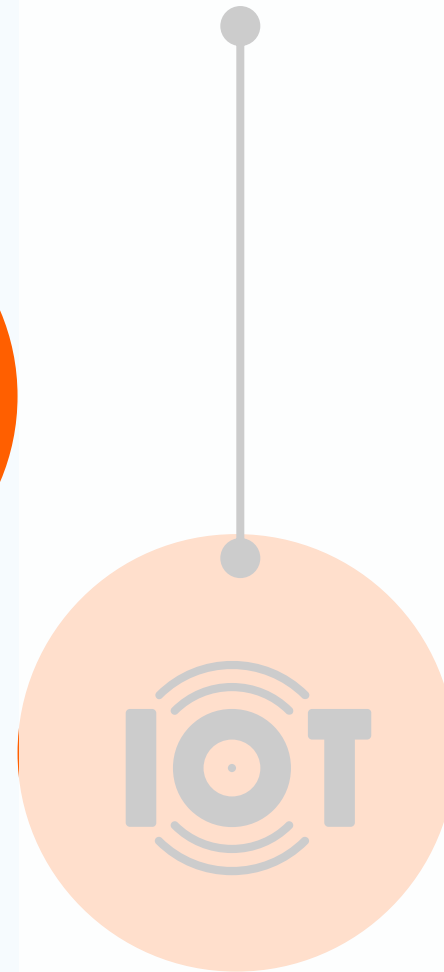
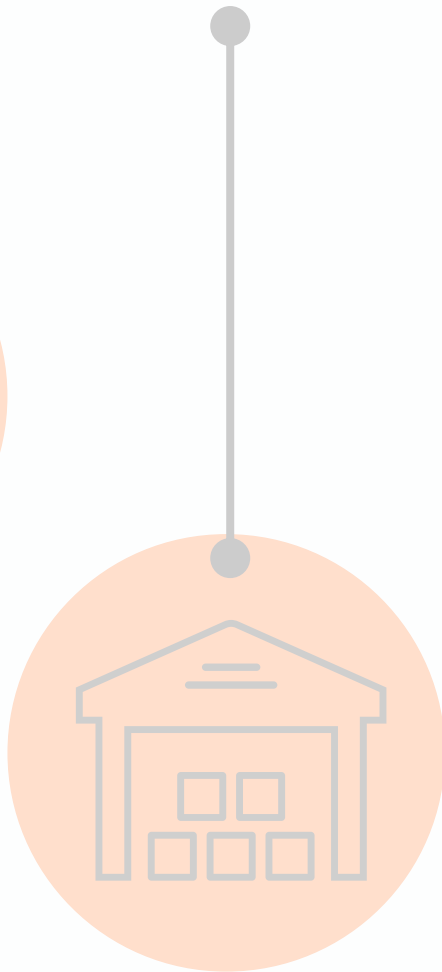
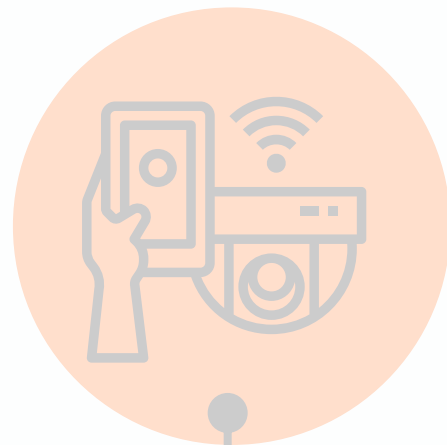
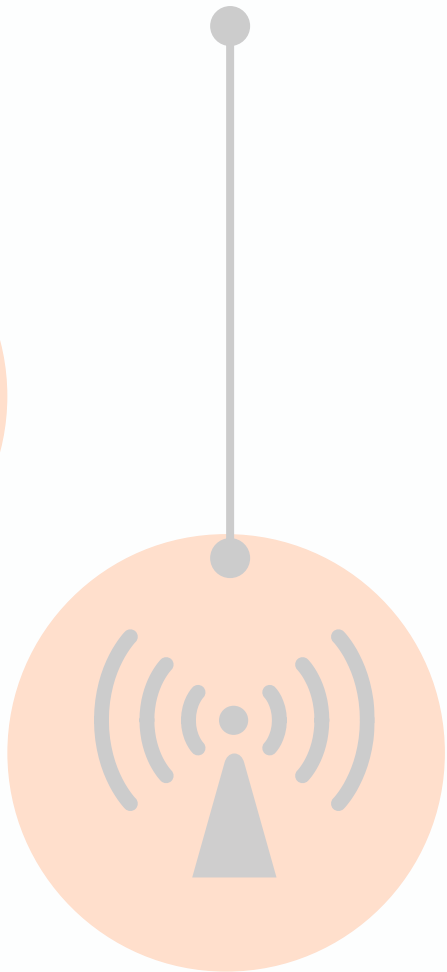
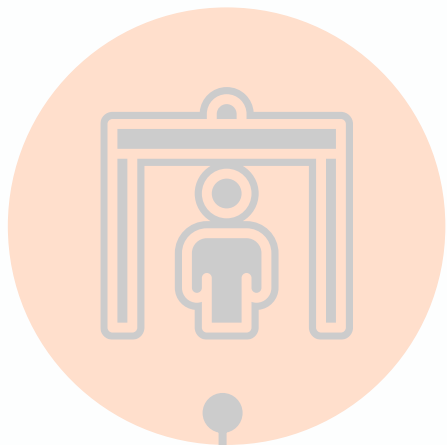
Ports digitalization

Wireless
Infrastructure

Warehouse
Management

Internet of
Things

Asset
Management



Gate Control
Automation

Security

**Mobility &
Traceability**

Process
Automation

Yard Management System

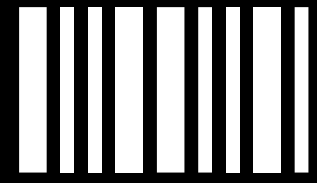


Key Benefits

- Equipment Positioning
- Increase space utilization
- Directed task assignment
- Lift on/Lift Off
- Inbound and outbound scheduling



Fixed Asset Management



Asset Tagging

Asset Tracking

Asset Audit



MAIN FEATURES

- Asset Check-in/check out
- Asset Tagging
- Asset Mapping
- Track depreciation and warranty
- Track scheduled maintenance or unexpected repairs
- Asset Audit
- Create and share reports

Warehouse Management



3PL WMS

- Space Management
- Inventory Management
- Receipt and Put-aways
- Picking and Packing
- Shipping
- Labor Management
- Analytics and Reporting

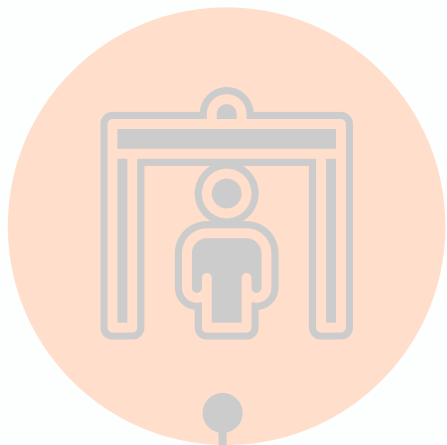
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Wireless Infrastructure

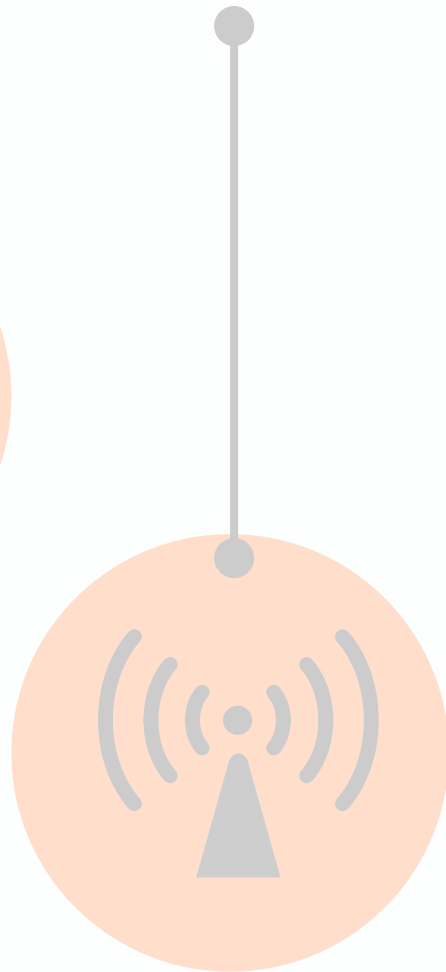
Warehouse Management

Internet of Things

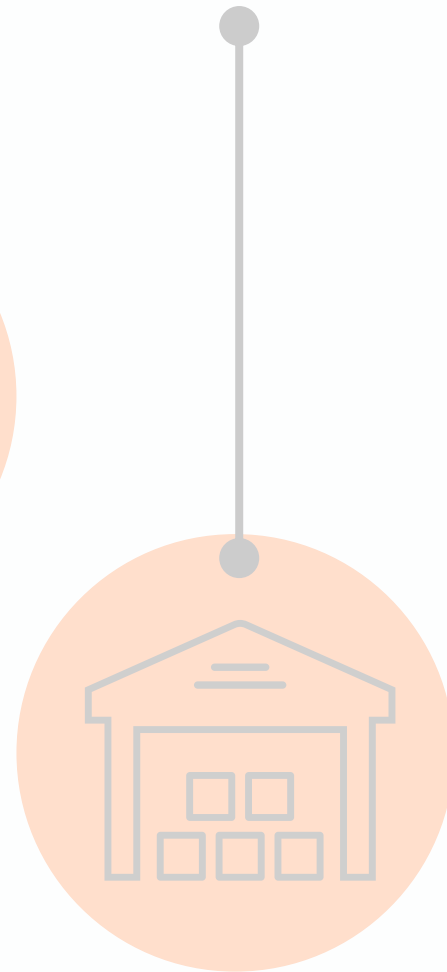
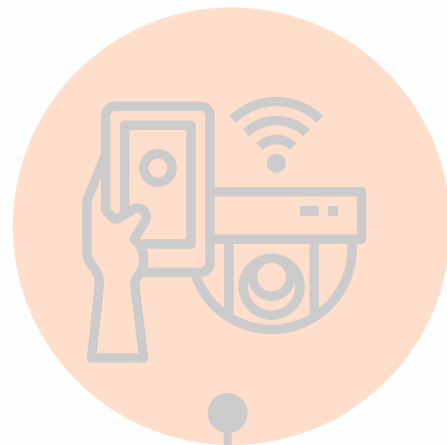
Asset Management



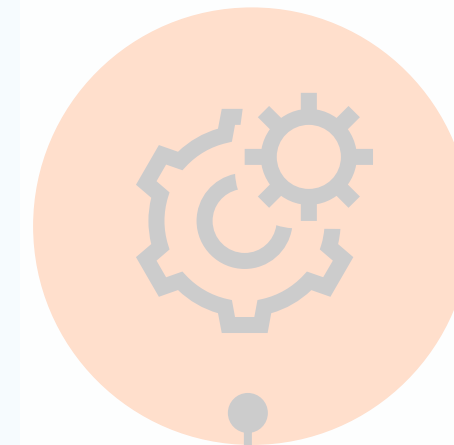
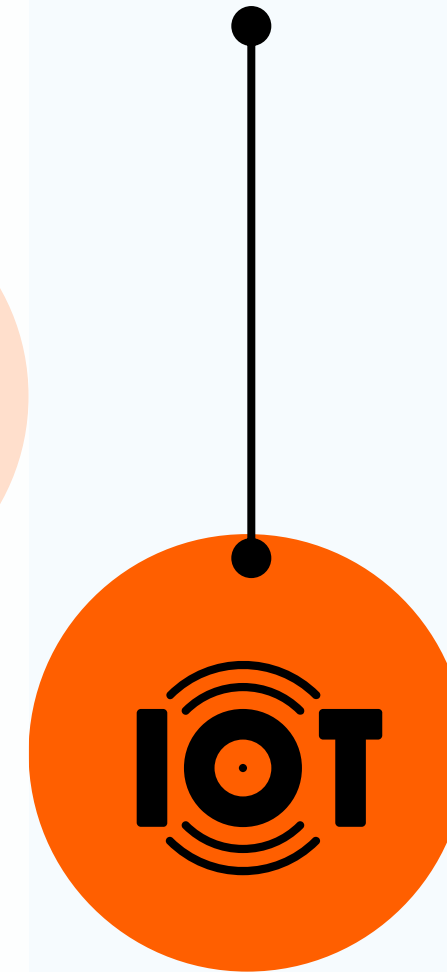
Gate Control Automation



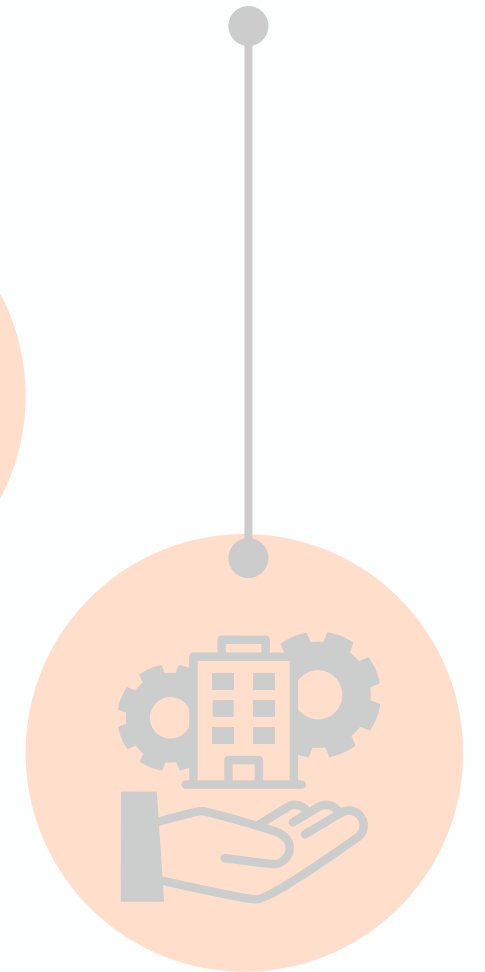
Security



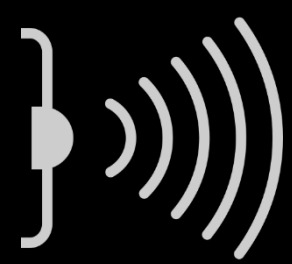
Mobility & Traceability



Process Automation



Internet of things



Device



Network



Visualization



Water/Fuel Monitoring

- Optimize readings and technical interventions
- Detect leaks in real time
- Manage consumption peaks

Utilities Monitoring

- Inventory control
- Provide business intelligence reporting
- Remove human error

Object Counting

- Meters mapping
- Real-time consumption monitoring
- Notifications
- Data logging

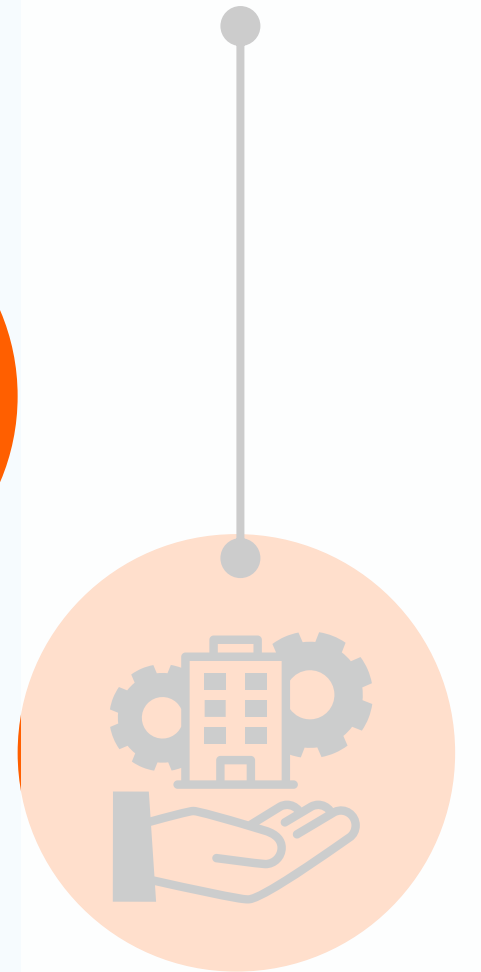
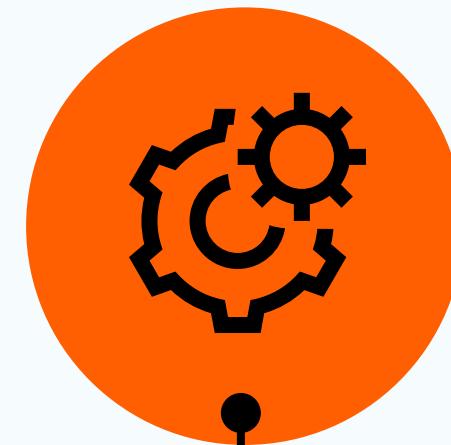
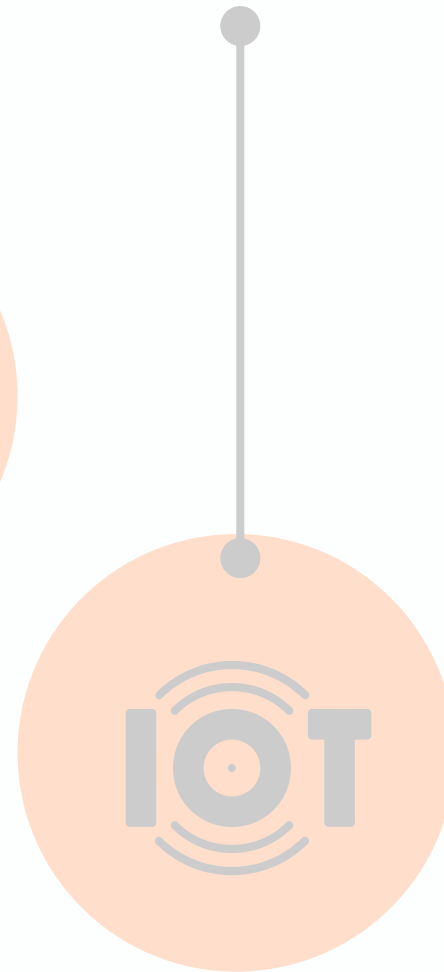
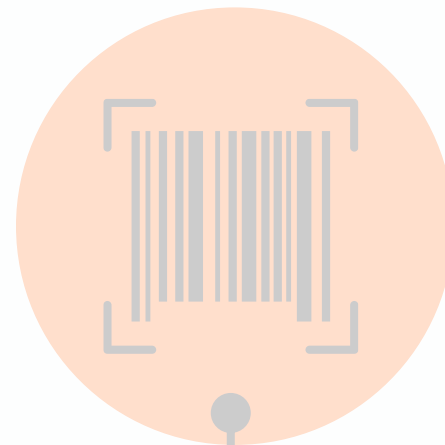
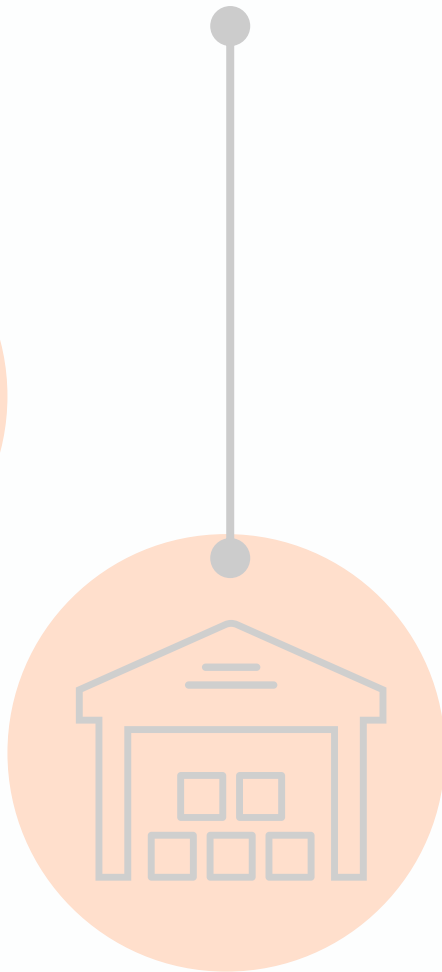
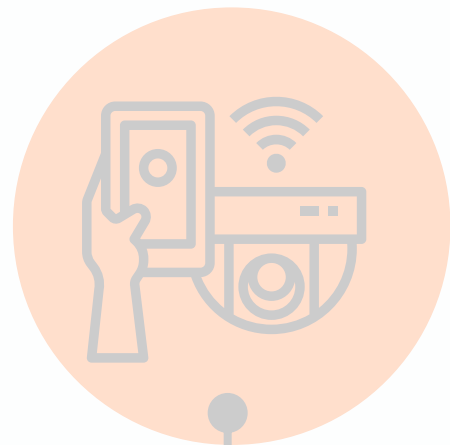
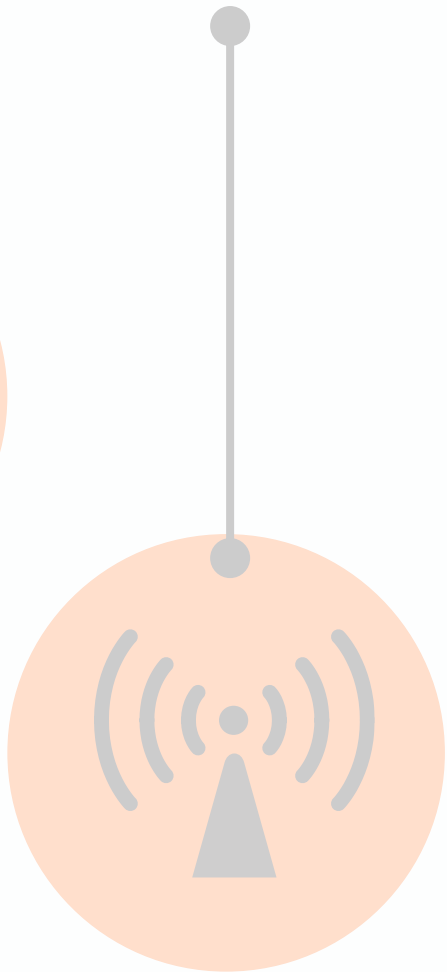
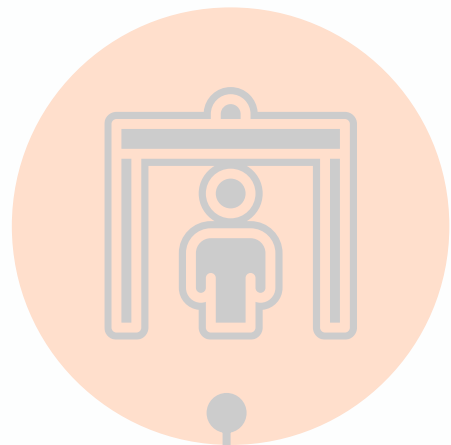
Ports digitalization

Wireless
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Asset
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Gate Control
Automation

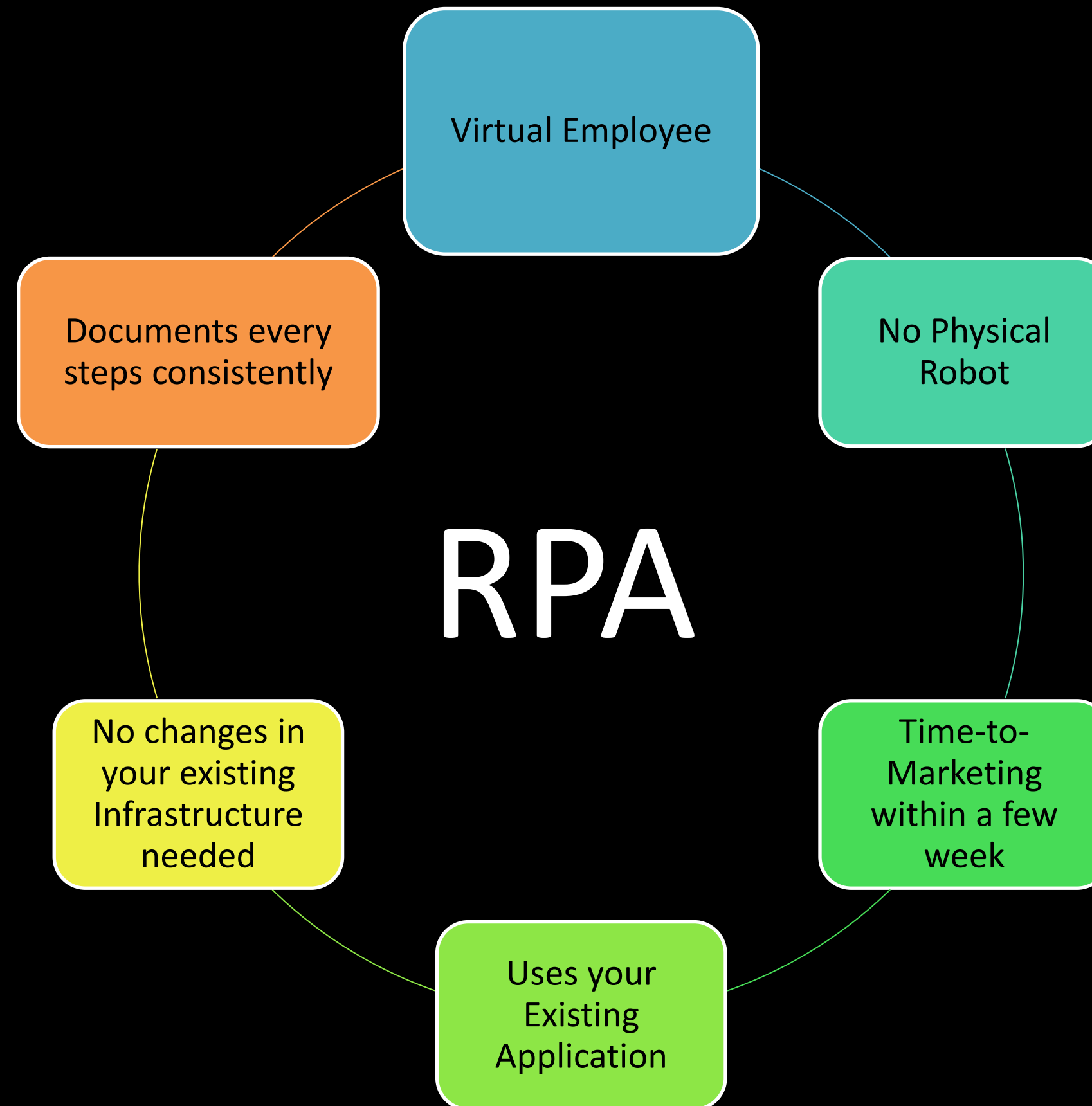
Security

Mobility &
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Process
Automation

CYBER **NAPTICS**

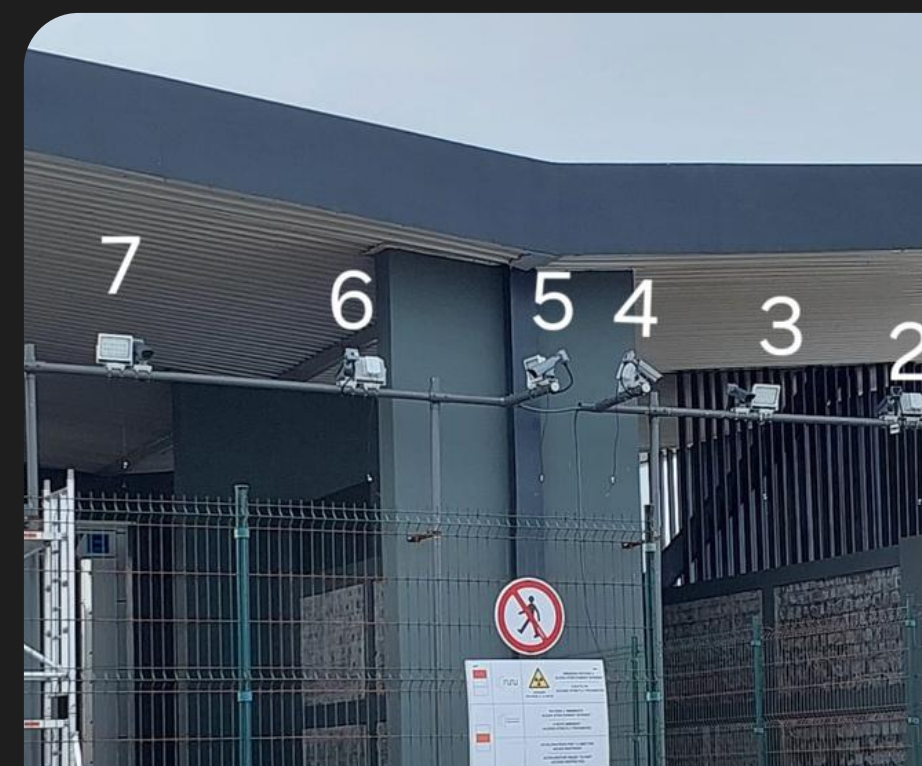
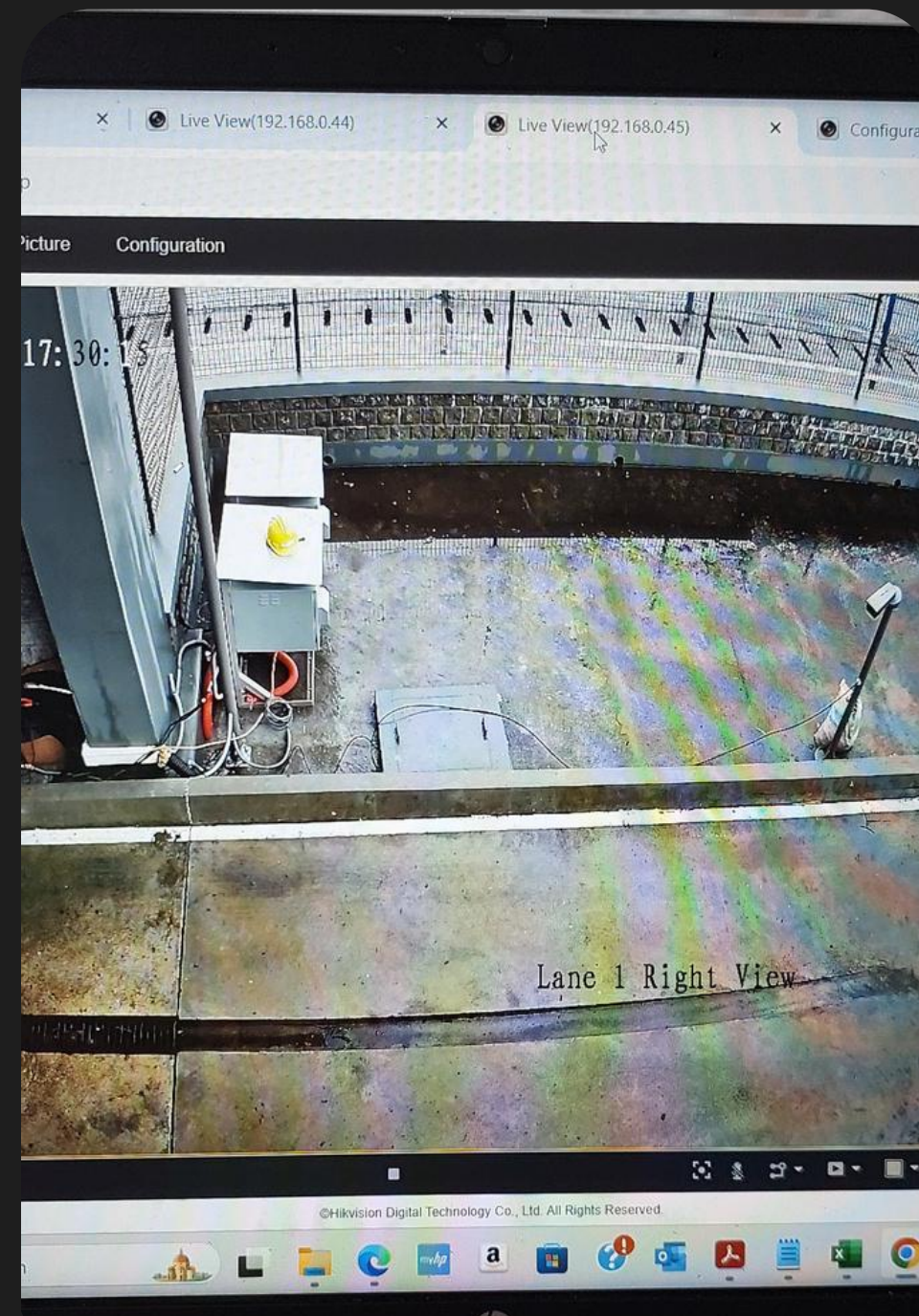
Robotic Process Automation



HIKVISION®

Smart Container OCR



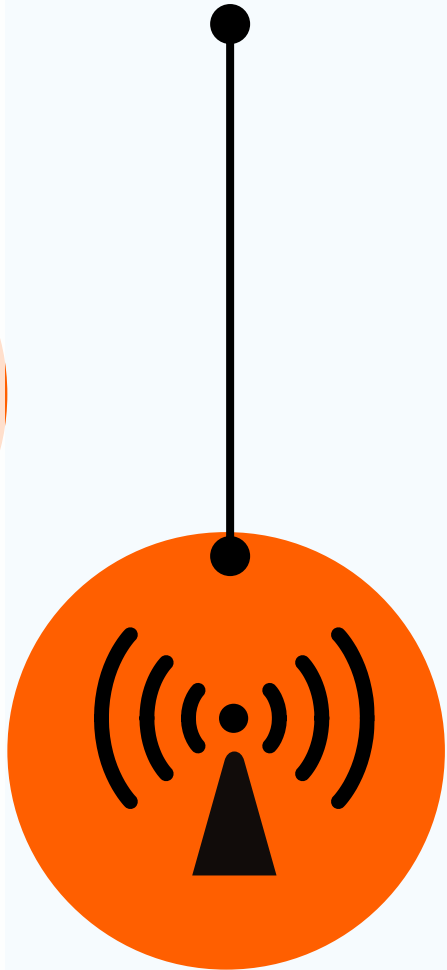


Ports digitalization

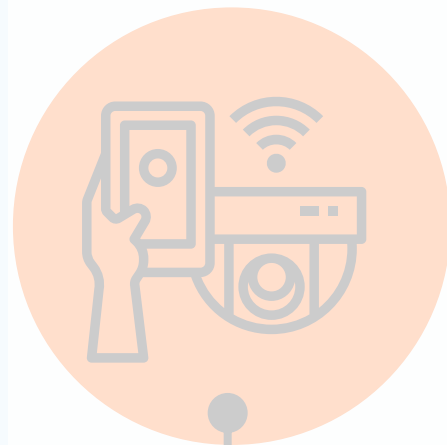
Wireless Infrastructure



Gate Control Automation



Warehouse Management

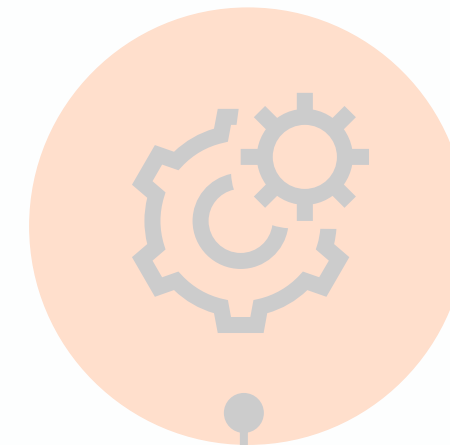
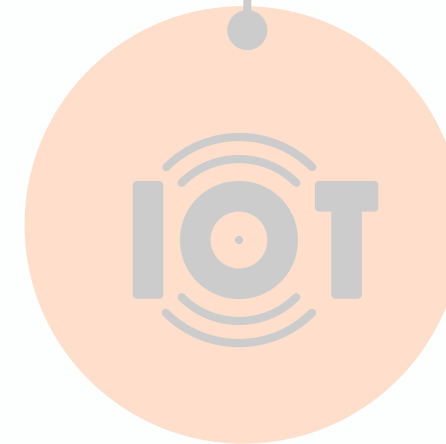


Security



Mobility & Traceability

Internet of Things



Process Automation

Asset Management



FORTINET®



WiFi Infrastructure Considerations for a Container Terminal

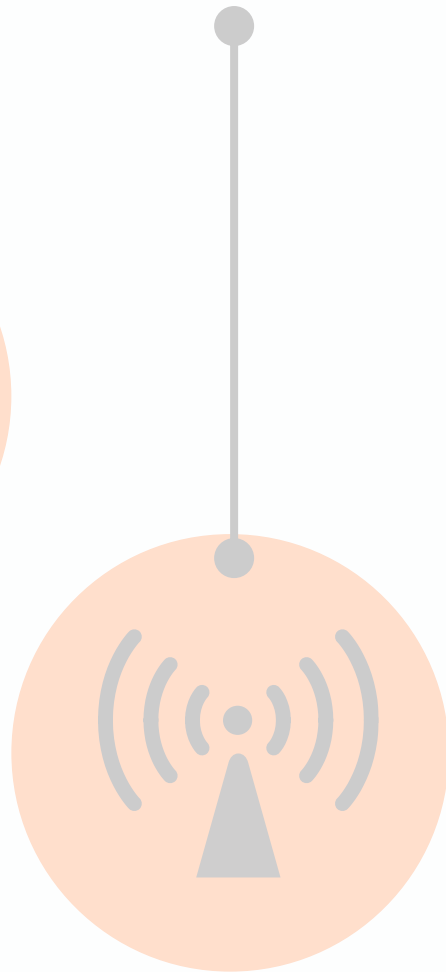
- Coverage and Signal Strength
- Ruggedised – IP66 or higher
- Interference Management
- Mesh Networking
- Seamless Roaming
- Power over Ethernet
- Highly secured
- Various Antenna Options for omni-directional wide area coverage or dipole for backhaul

Ports digitalization

Wireless Infrastructure



Gate Control Automation



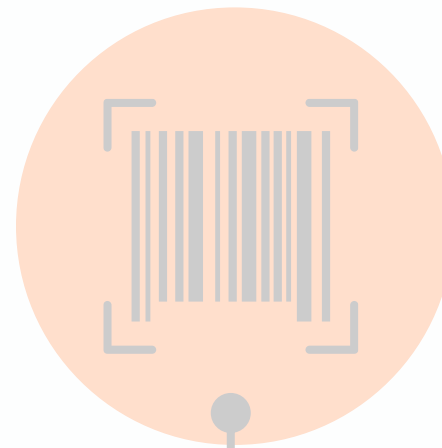
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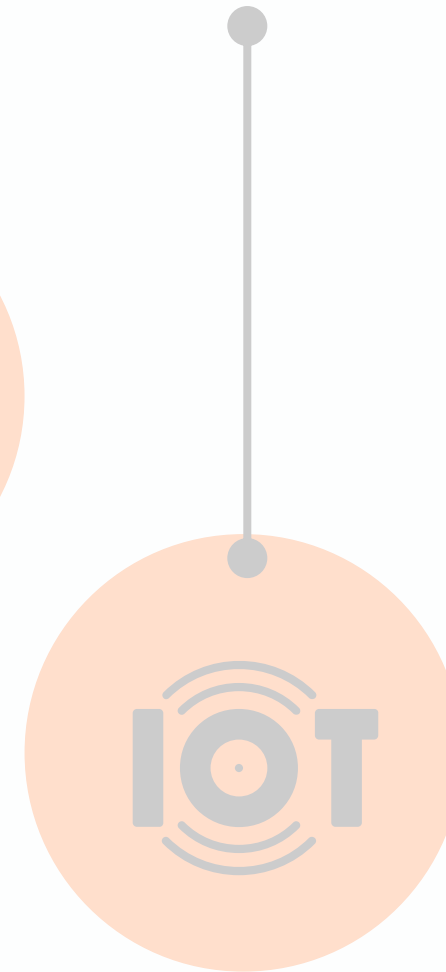
Warehouse Management



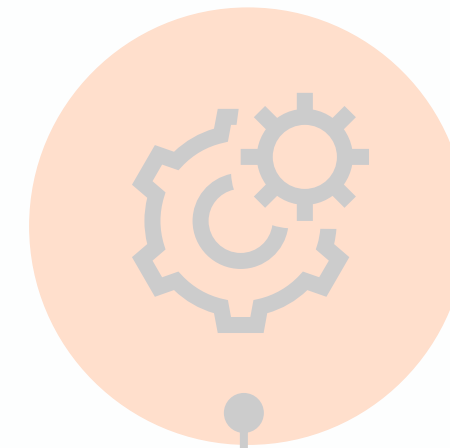
Mobility & Traceability



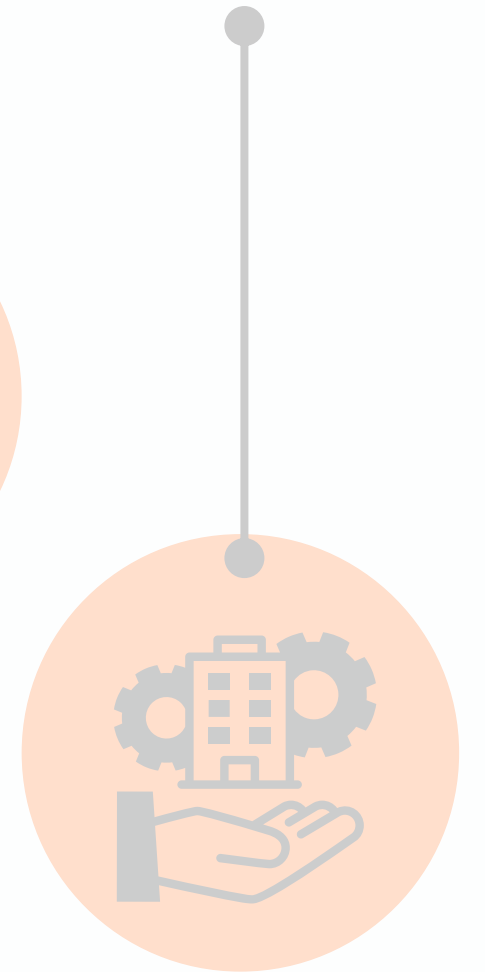
Internet of Things



Process Automation



Asset Management



Cybersecurity Considerations for Mauritius

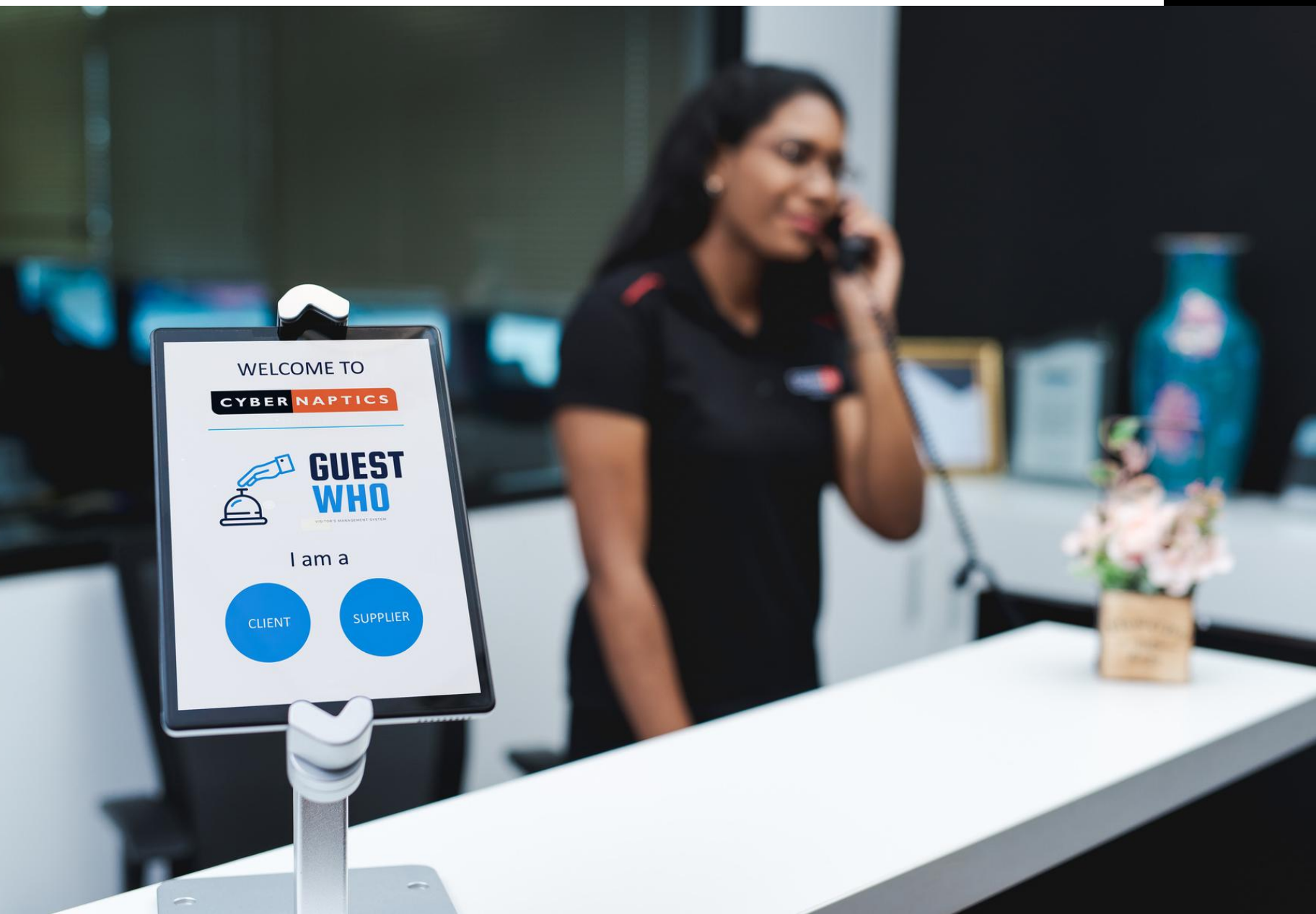


- Evolution of the cyber threat landscape
- Cyber threats targeting Mauritius and the growth of cybercrime
- Emerging technologies and associated threats
- Public and private partnership
- Information sharing and National Incident Response
- Cybersecurity Education and forming cybersecurity professionals
- Law enforcement capability to tackle cybercrime
- Legislations and regulations
- Procedures for combatting cybercrime
- SMEs and cybersecurity
- Economic opportunities for Mauritius

An aerial photograph of a cargo ship's deck, heavily laden with stacks of colorful shipping containers in shades of blue, red, and white. A large yellow crane is visible in the center, and the ship's white superstructure is partially visible. The ocean is visible on the left side of the frame.

THANK YOU

Get in Touch



Contact us for more information



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