

# VMware IoT & Edge Solutions

IT Infrastructure Runs IoT

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# EDGES OF THE BUSINESS





D-HOAE

WIKING



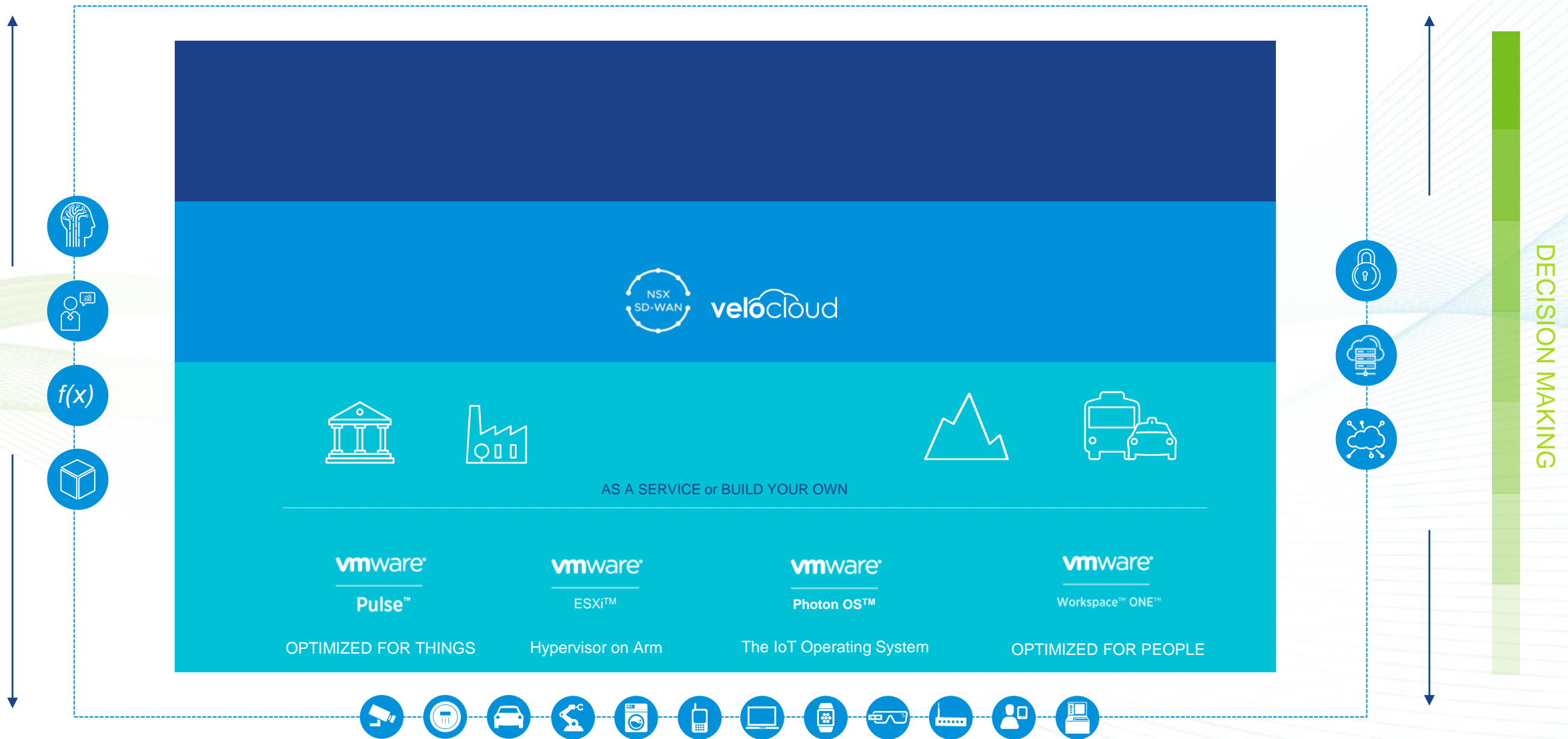
# All your important files are encrypted.

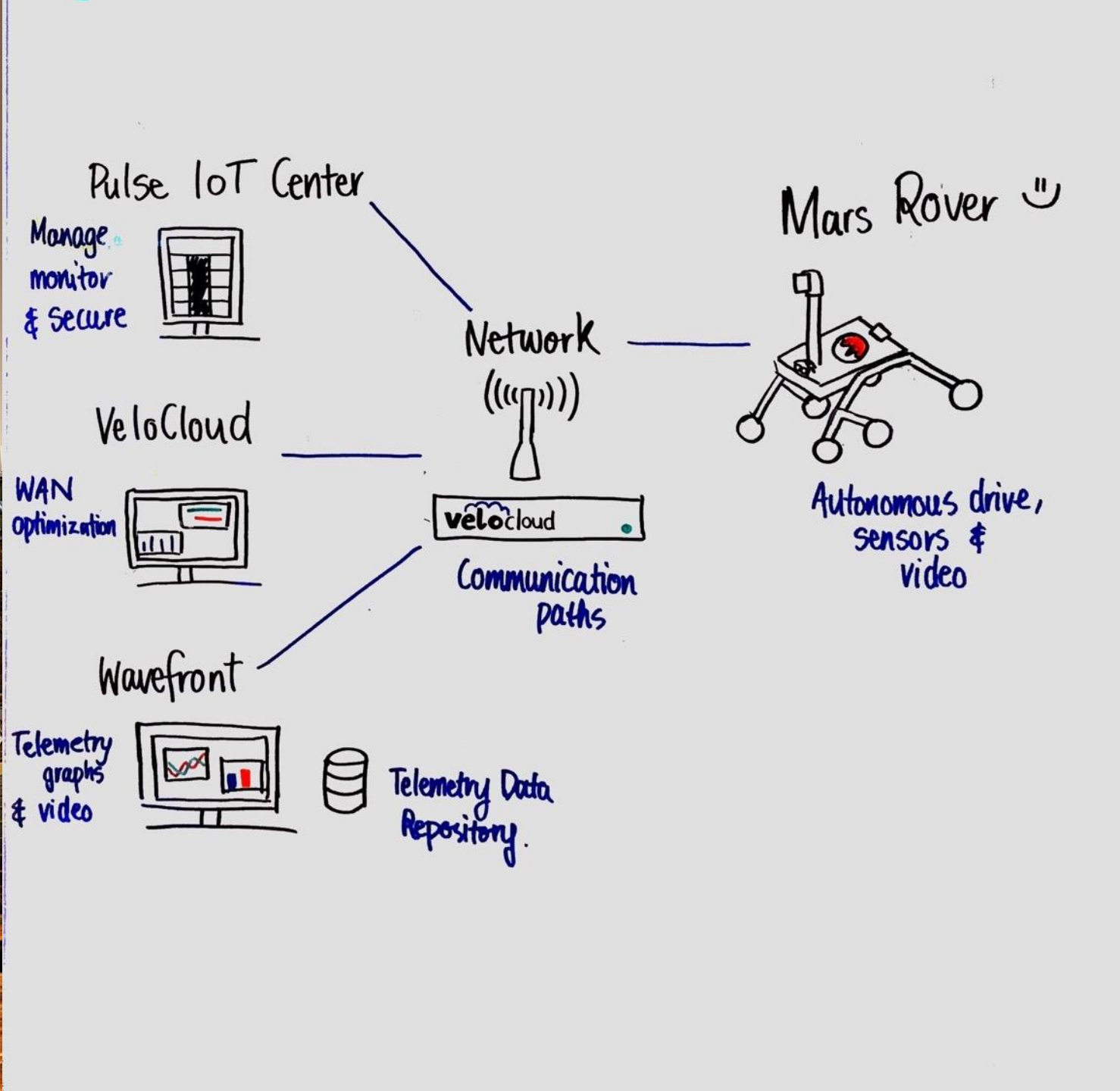
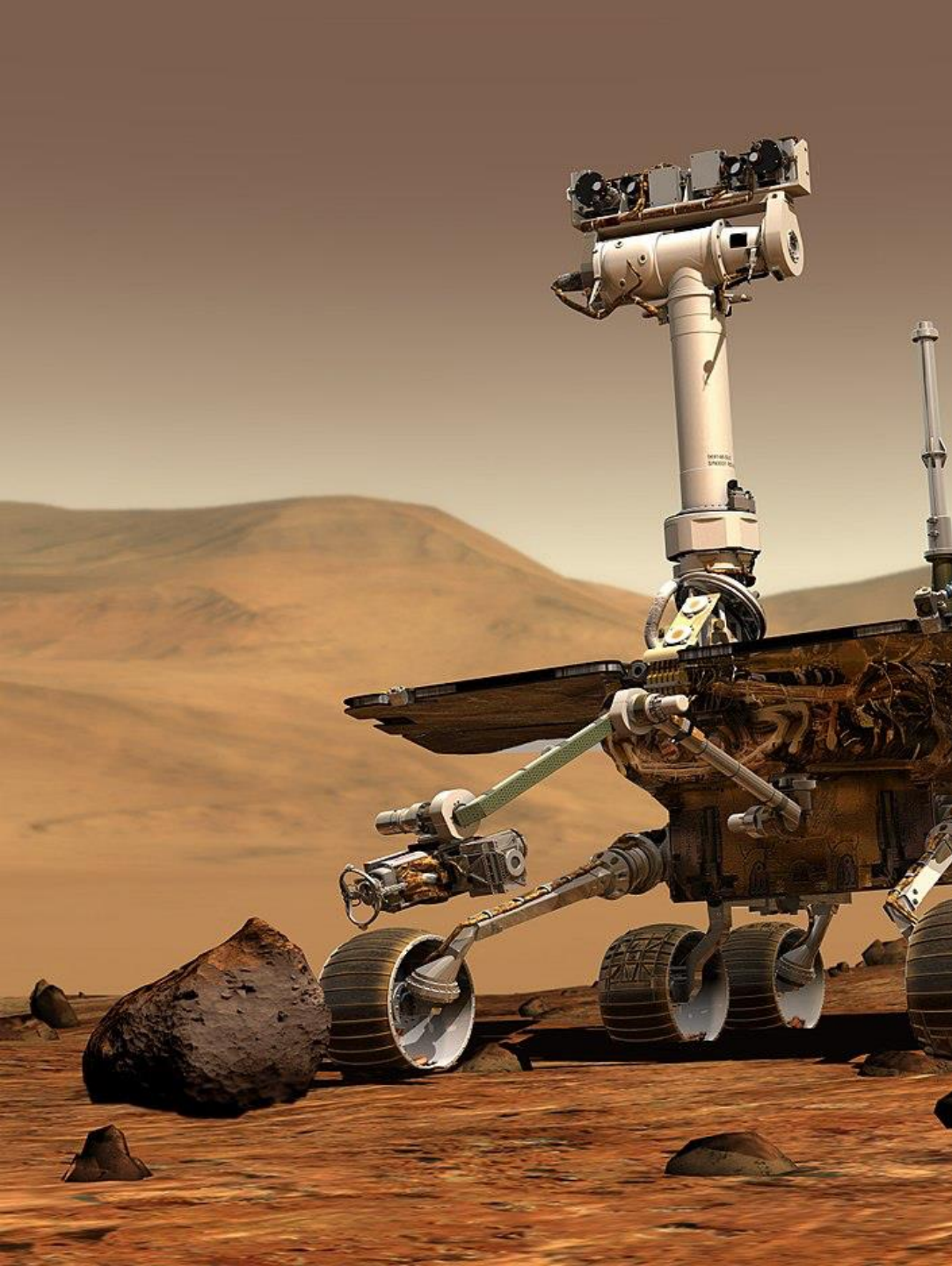
At the moment, the cost of private key for decrypting your files is 2.0 BTC  $\approx$  500 USD.

Your Bitcoin address for payment

PURCHASE PRIVATE KEY VIA  
BITCOIN

# VMware Edge | Innovate at the Edge

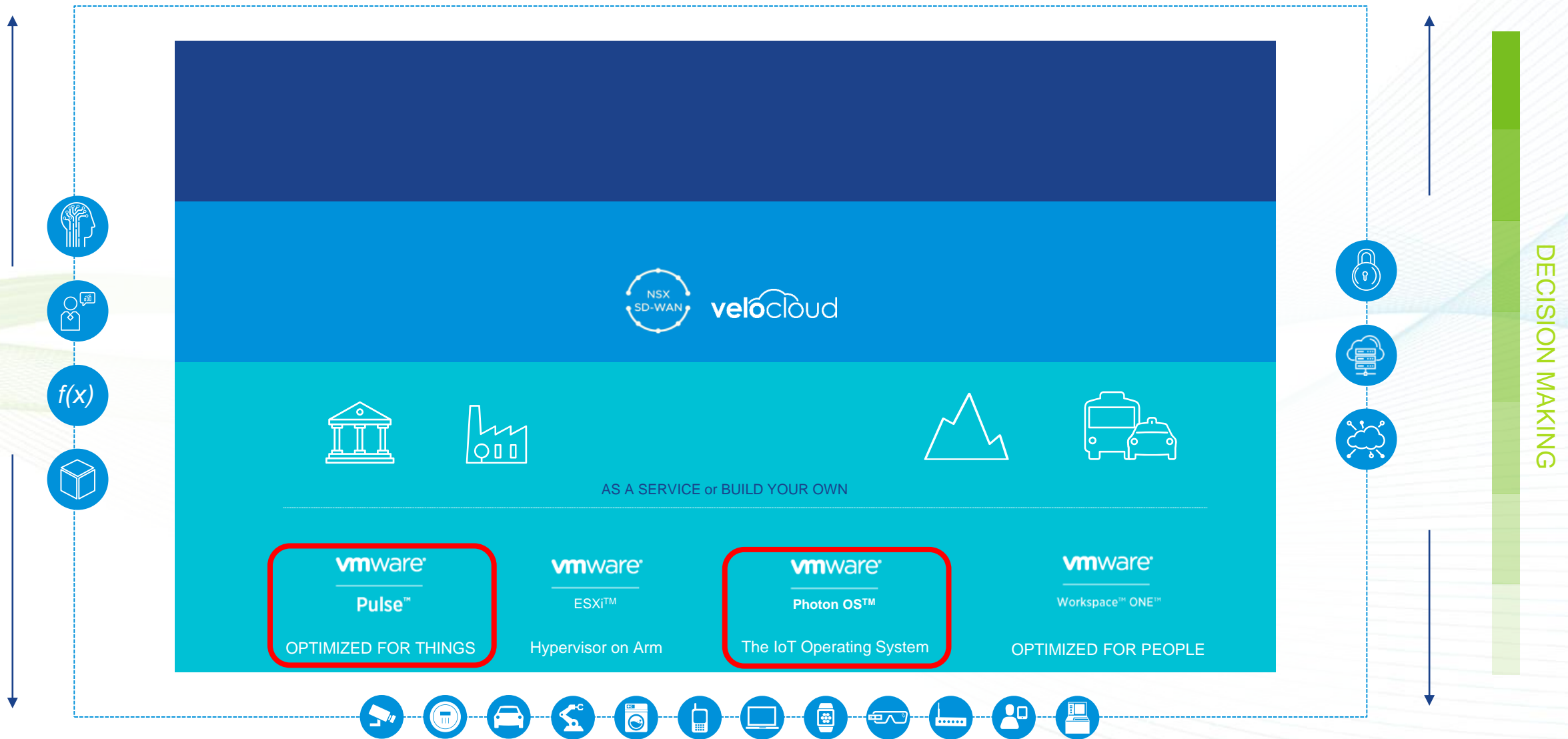




# Digital Business Requires a Digital Foundation



# VMware Edge | Innovate at the Edge





# VMware Vision

The Essential, Ubiquitous Digital Foundation

ANY DEVICE



ANY APPLICATION



Traditional



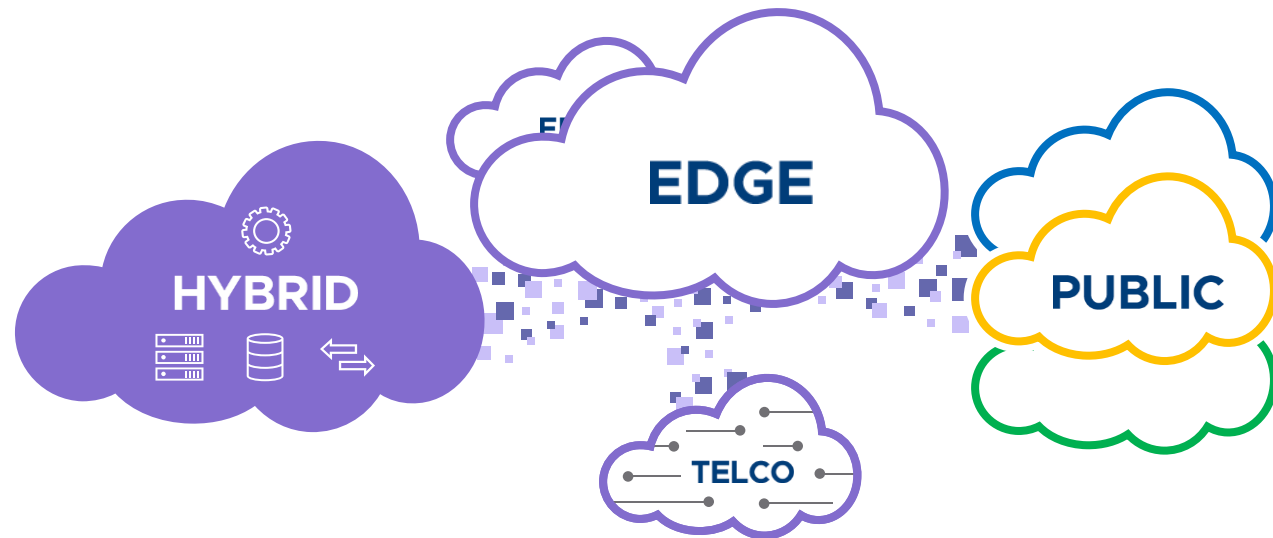
Cloud Native



SaaS



ANY CLOUD



# Challenges Creating a Consistent IoT Digital Foundation

20 Years of  
Infrastructure Silos

LOB's Doing Random  
Acts of IoT

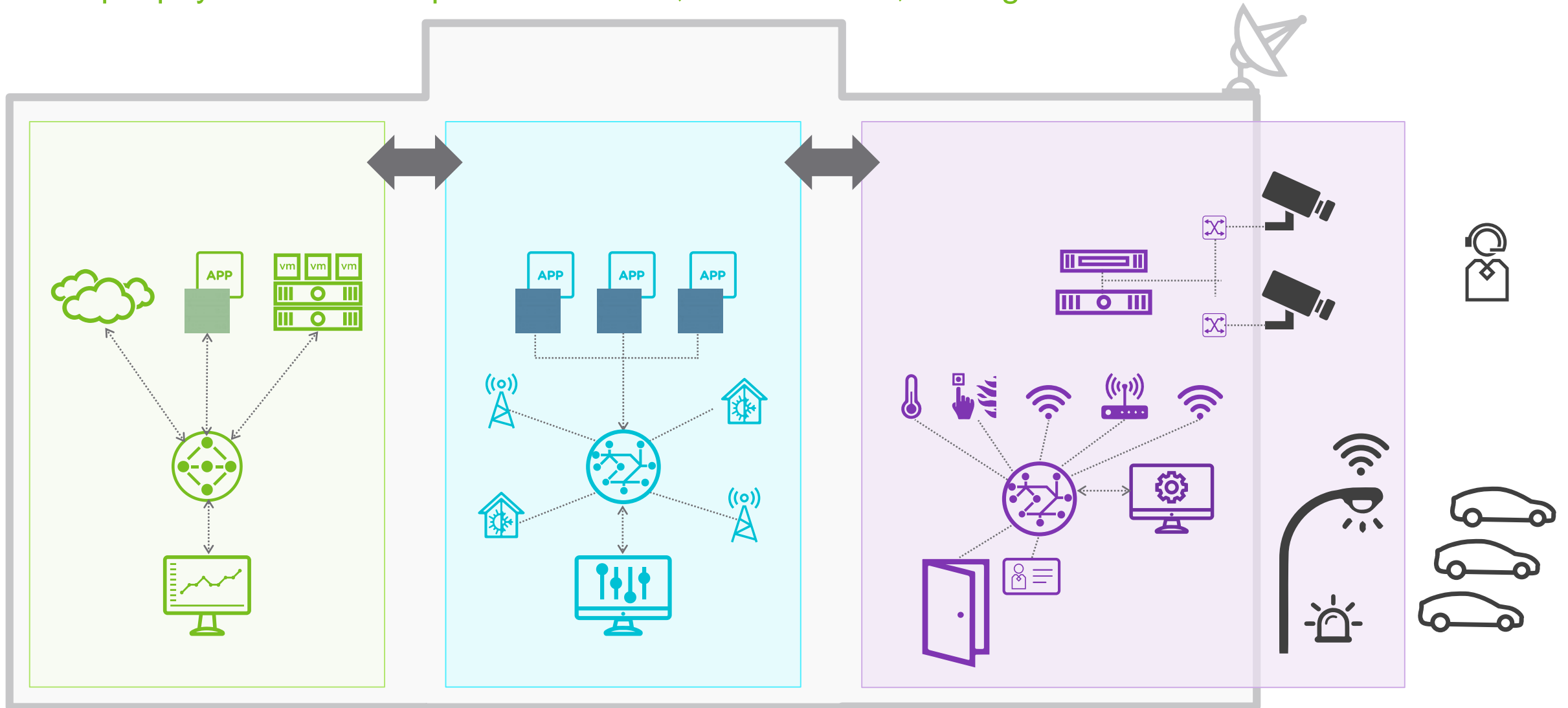
The Realizations

silo'd

**“Shadow IoT”**

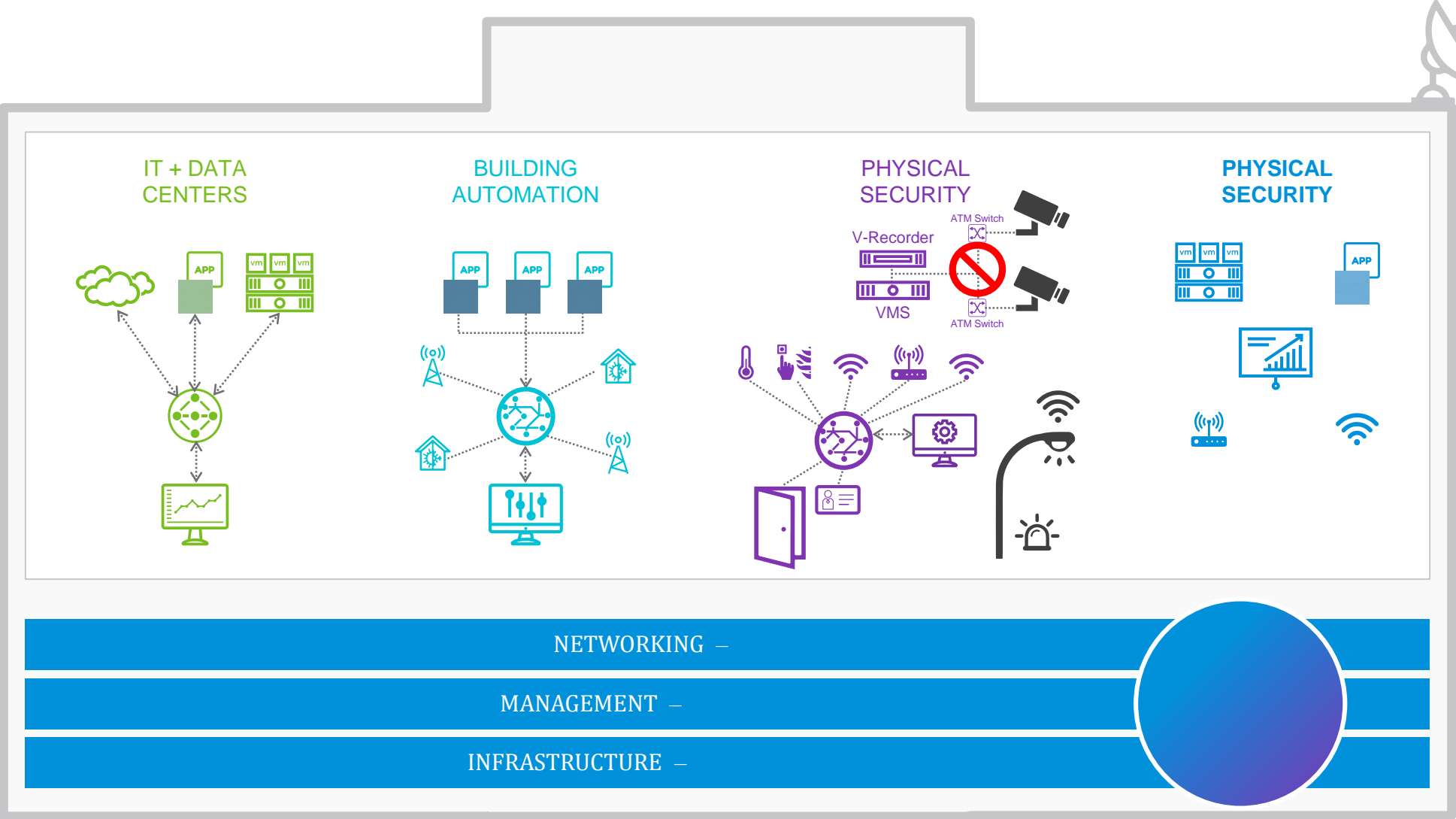
# Current State – Inconsistent Everywhere

Multiple physical domain specific solutions, infrastructure, management



# Future State

Horizontal platforms, standard control plane, supports all IoT deployments



# Pulse IoT Center v2.0 High Level Functionality

Onboard, configure, monitor, manage and secure IoT infrastructure

## Onboard

Low-touch bulk enrollment through pre-registration

Automatic common system property and metrics collection

Device custom property definition on console

## Configure

Gateway device configuration

- Enable SSH for troubleshooting
- Upload file to Pulse server
- Reboot gateway
- Custom commands

## Monitor

Alerts on individual device or a group of devices on multi-symptoms

Notifications via email or to the REST API or HTTP e.g. SMS

Advance search across property, metrics, campaign

## Manage

Granular control over OTA campaign update approval, progress status, package type, etc.

Failover/rollback/delta update ready with the 3rd party integration

Audit Log, Syslog

## Scale and Integrate

Support very large scale IoT implantation

RESTful APIs for all functionalities for customer and partner integration

## Secure

Role-based user access and multi-tenancy restrict access for different organizations and use cases

End to end trust model: unique device ID, credential, certificates, etc.

# Apply for your free trial today!

Home | Products & Services | **Pulse IoT Center**

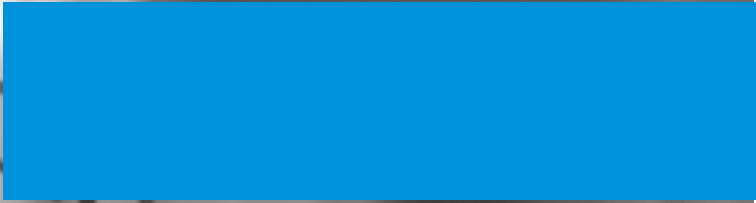
## Pulse IoT Center

Create a digital foundation for enterprise-grade Edge infrastructure and IoT device life cycle management.

START FOR FREE



# Use Case Examples

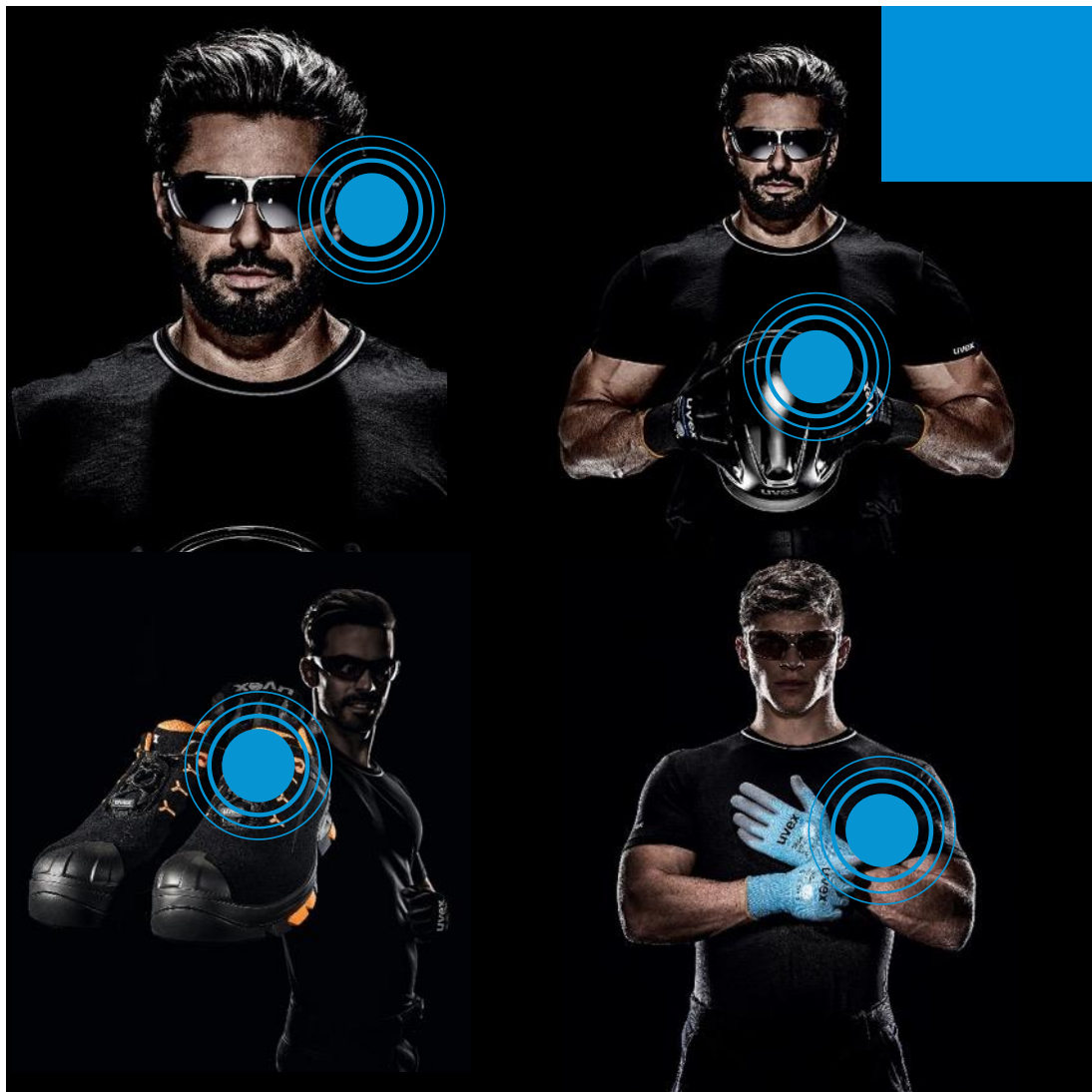


**31%**  
loss of control

**35%**  
wrong movements



# uvex



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- -

vmware®

Pulse™

# Industry 4.0

**uvex**

**Industry:** Manufacturing

**Business Idea:**

Reduce scrap in production of high precision safety goggles

**Use Case:** Monitor machines and environmental parameters

**How VMware Pulse helps:**

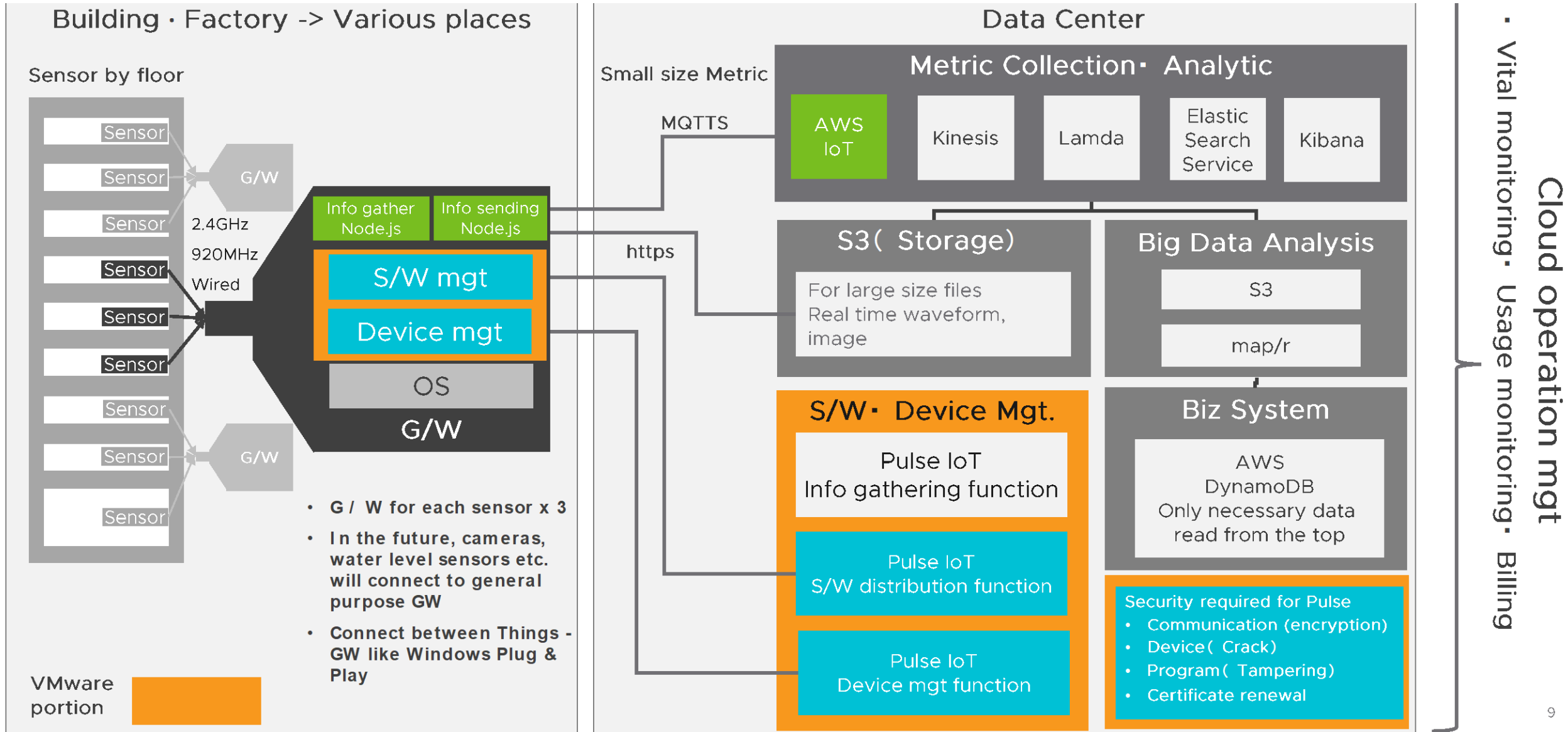
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- Provide an IoT management platform on top of which additional use cases are built
- Taking the pain out of implementation

**Customer Benefit:**

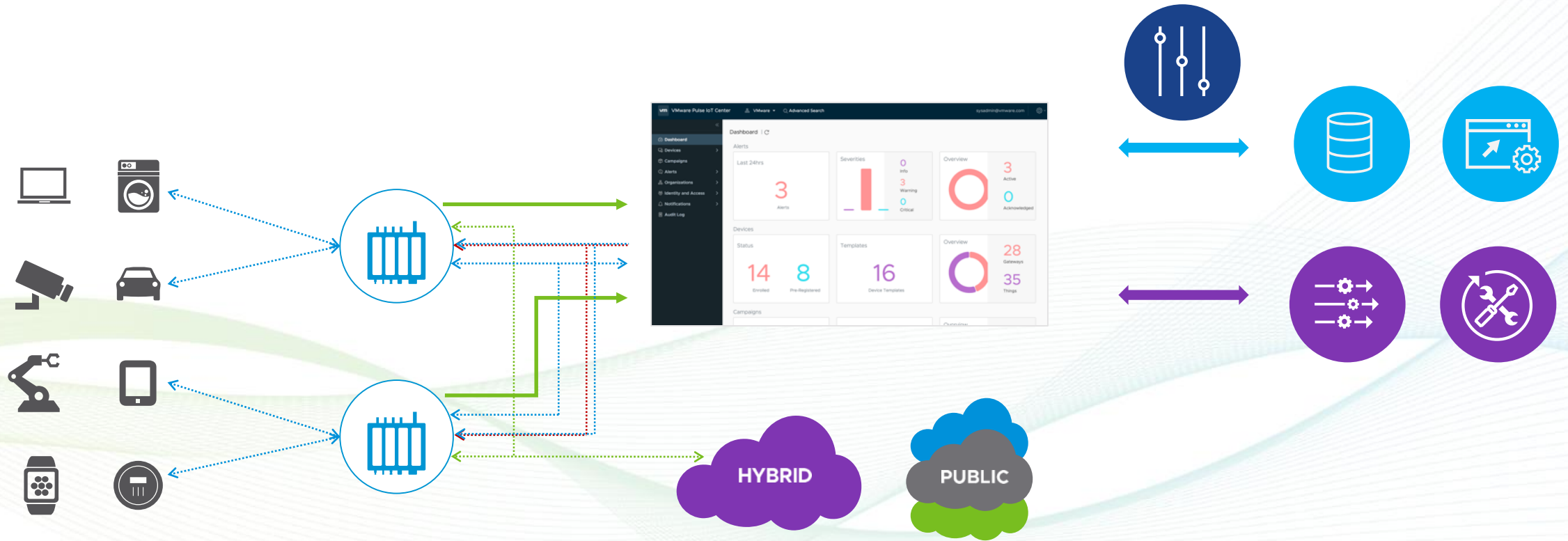
- Better understand the impact of environmental changes on production
- Production yields better output
- Higher Quality

# Smart Building Use Case



# Pulse – How it Works

# VMware Pulse IoT Center: How It Works



1. Deploy Devices + Edge Compute to remote locations (Gateways/ Embedded PCs...)

2.

3.

4. Data flows from devices to Pulse Center and other locations –

5.

6.

7.

8.

# PhotonOS™

# The ideal OS for Edge Gateways





# Thank You