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BUILDING FOR THE ROAD AHEAD
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Edge Computing Is Hot. Find Out the Business Value From Three Experts

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DETROIT 2022

October 24-28, 2021

Moderator

Larry Carvalho

robustcloud

Panelists

Muneyb Minhazuddin

intel

Stu Miniman

Red Hat

Marilyn Basanta

vmware

Intel Story – Intel helps Capgemini Accelerate Smart City Reality with a “Smart Roadside Unit.”

Business Benefits

- Multiple smart city applications in a single box
- Traffic management, obstacle detection, connected vehicle communications
- Seamless cloud-native solution
- AI and 5G-enabled
- Enables increasingly popular “edge as a service” offerings

OSS Products Used

Intel Products Used

- Intel® Xeon® Scalable processors
- Intel® Xeon® Gold processors
- Intel® FPGA PAC N3000
- Intel® Ethernet Network Adapter
- FlexRAN™

Red Hat Story – Edge computing flexibility enables critical defense and security advantages

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Business Benefits

- Extended cloud data center to edge
- Deploy new applications faster than legacy infrastructure & increase flexibility
- Reduces required resources (as compared to existing VMs)
- Deployed infrastructure services in 3-6 hours (down from weeks)
- Established artificial intelligence and machine learning (AI/ML) processes that previously didn't exist

OSS Products Used

OPEN DATA HUB
AI Platform powered by Open Source

Red Hat Products Used

- Red Hat OpenShift
- Red Hat Advanced Cluster Management for Kubernetes
- Red Hat Ansible
- Red Hat Enterprise Linux

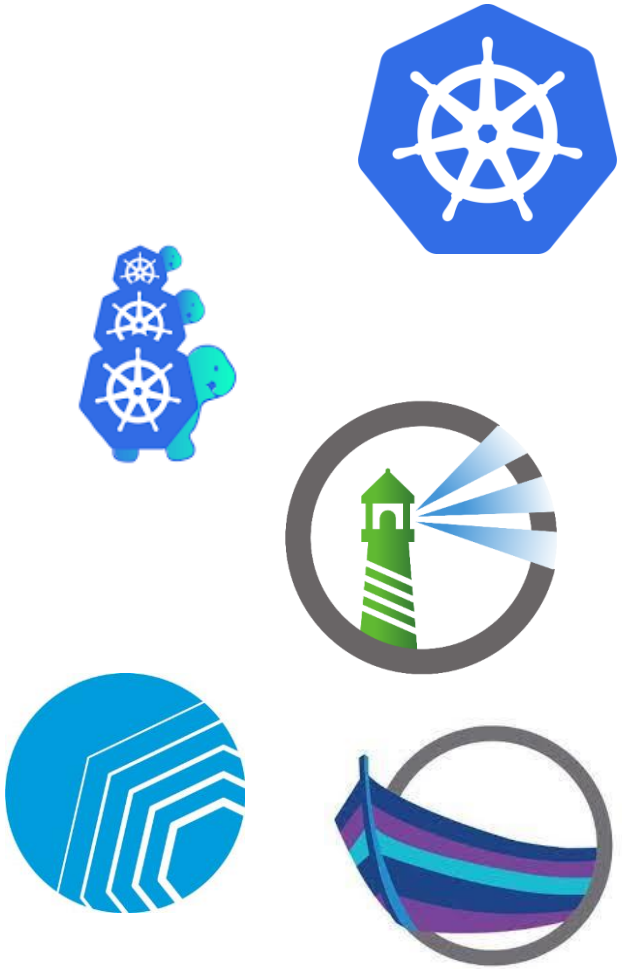
Red Hat OpenShift

VMware Story – Global Food Company uses Computer Vision / AI for real-time quality inspection reducing waste & improving sustainability practices

Business Benefits

- Integrated Edge Optimized VM and Container platform for deploying Intelligent Edge Solutions
- Environmental sustainability through reduction of waste during manual food processing
- Improved quality of end product through observations of process as a result of real-time AI/ML inferencing
- Real time training for employees to improve food processing skills

OSS Products Used



VMware Products Used

- VMware Edge Compute Stack
- VMware Tanzu Kubernetes Grid
- VMware Tanzu Mission Control
- VMware Aria Operations for Applications
- VMware vSphere Enterprise+
- VMware Bitfusion

vmware®

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Q&A

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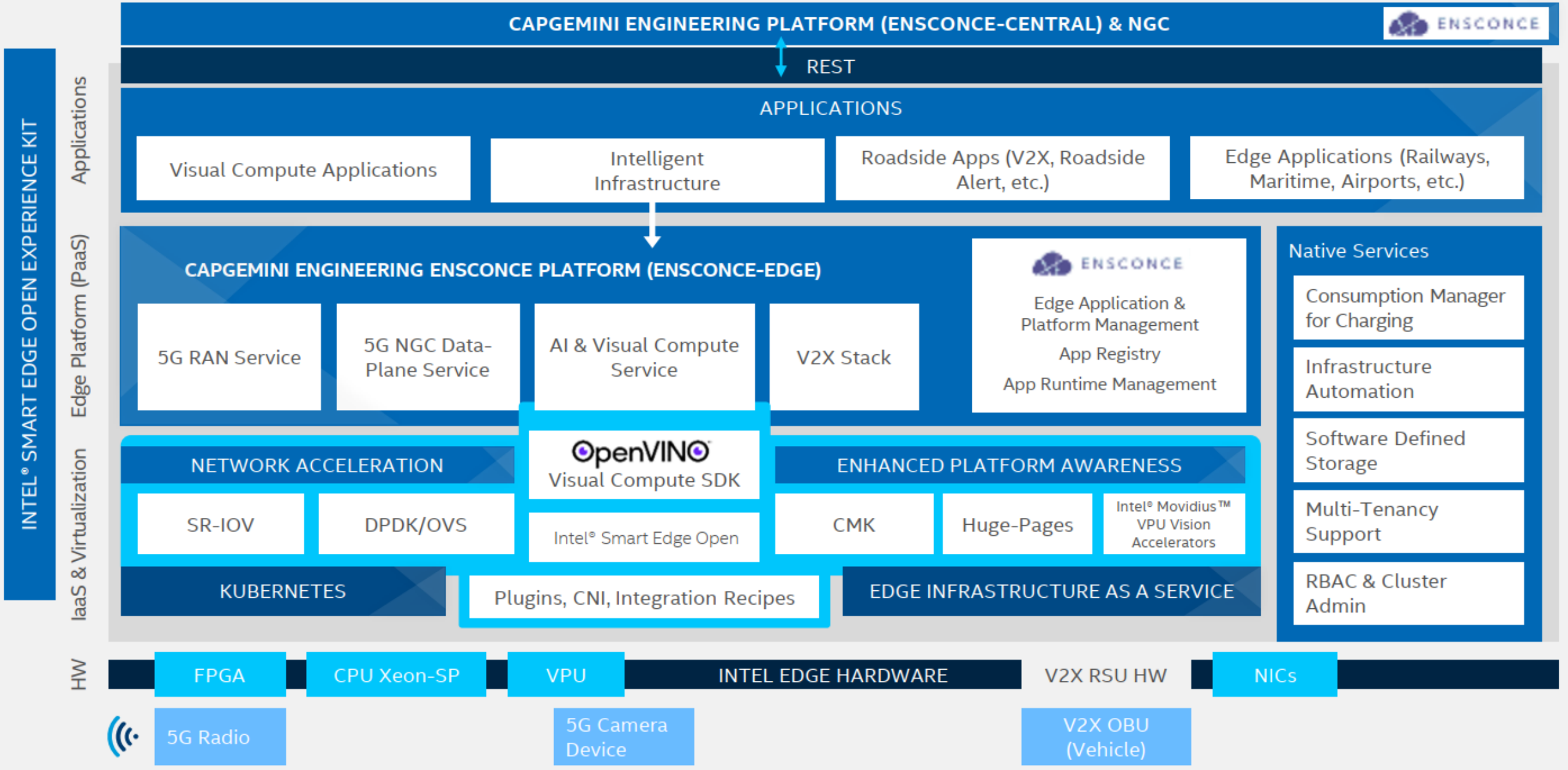

Figure 5: Platform stack