



SMART, CONNECTED AND OPEN SOURCE

IMAD SOUSOU

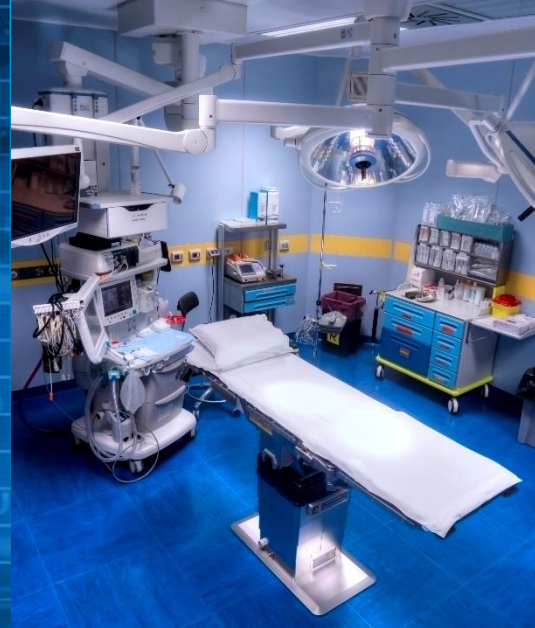
Vice President Software and Services Group
General Manager Open Source Technology Center



2020 – 1.5 GB OF TRAFFIC PER DAY/PERSON



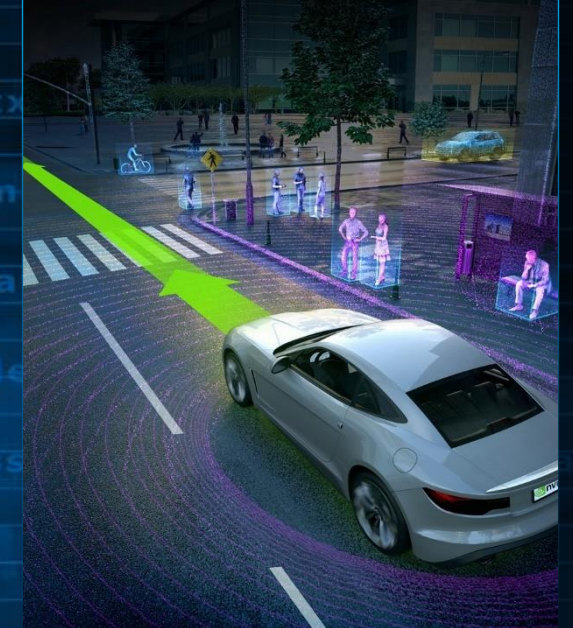
CONNECTED PLANE
5 TB/DAY



SMART HOSPITAL
3,000 GB/DAY



CONNECTED FACTORY
1 PB/DAY



SELF-DRIVING CARS
4 TB/DAY

EDGE COMPUTING

CLOUD

EDGE



RADICALLY TRANSFORM THE ECONOMY

AUTONOMOUS MACHINES



AUTONOMOUS FACTORIES



AUTONOMOUS ROBOTS



AUTONOMOUS DRONES





FROM CAR TO CLOUD

**THE MOST SCALABLE AUTONOMOUS
DRIVING PLATFORMS ARE BUILT ON INTEL.**

**FASTER INNOVATION WITH
SCALABLE ARCHITECTURE**

**TRUSTED BY LEADING
AUTOMOTIVE BRANDS**

**STRONG ECOSYSTEM AND
INDUSTRY LEADERSHIP**

**CONTRIBUTIONS TO POLICY
AND REGULATION**

THE CHALLENGES AND OPPORTUNITIES OF EDGE COMPUTING



CONTAINERIZATION



ORCHESTRATION



DATABASES



**FUNCTIONAL
SAFETY**



**TIME-SENSITIVE
NETWORKING**

INTEL® CLEAR CONTAINERS

WITH INTEL VIRTUALIZATION TECHNOLOGY

INTEL® CLOUD INTEGRATED ADVANCED ORCHESTRATOR (CIAO)

industry types power
instrumented safety 50128 Railway DO-178B
Control widely standard 61511-1 requirements NASA
Functionality RTCA Measurement
Systems Specific North
MC Parts process BS UK critical Systems 62304 BSI 25119 Defence ISO Vehicles levels
61511-3 hardware Framework required safety-related integrity determination core 61513 incorporating
Industry Guidance InstMC System definitions EUROCAE Medical European Road electrical application 00-56 Instrumented
Issue 62061 ISA 26262 Airborne plants electrical application 13849 ANSI/ISA
systems electronic Part 61508 Nuclear E/E/PS General American
Part 61508 Institute Standard 61511 Function Forestry
Safety-Related Instrumentation Software Guidelines sector system
Critical software



TIME SENSITIVE NETWORKING

END TO END SOLUTIONS

THINGS & DEVICES



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0 1 0 1 0 1 0 1 1 1 0 1 0
0 0 1 0 1 1 0 1 0 1 0 1 0
1 0 1 1 0 1 0 1 0 1 0 1 1
0 1 0 1 0 1 0 1 1 1 0 1 0
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1 0 1 1 0 1 0 1 0 1 0 1 1
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CONNECTIVITY & NETWORK

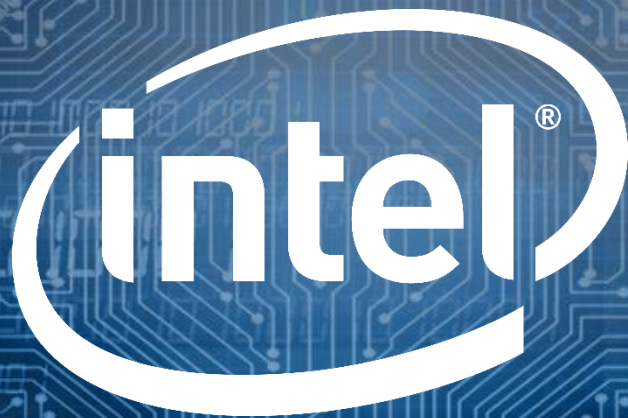


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0 1 0 1 0 1 0 1 1 1 0 1 0
0 0 1 0 1 1 0 1 0 1 0 1 0
1 0 1 1 0 1 0 1 0 1 0 1 1
```

CLOUD & DATA CENTER



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THANK YOU!