

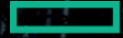


**Hewlett Packard**  
Enterprise

# **Digital Manufacturing – it's all about flexibility, adoption of edge intelligence with AI & economics**

Matthias Roese, Chief Technologist, Global Manufacturing, Automotive & IoT, Hewlett Packard Enterprise





**Hewlett Packard**  
Enterprise

# Data can transform businesses

Unlocked through AI and advanced analytics

Planned AI investments next 12 mths

**0.48% of revenue**

For comparison – average IT spending in the manufacturing industry:

**1.95% of revenue**

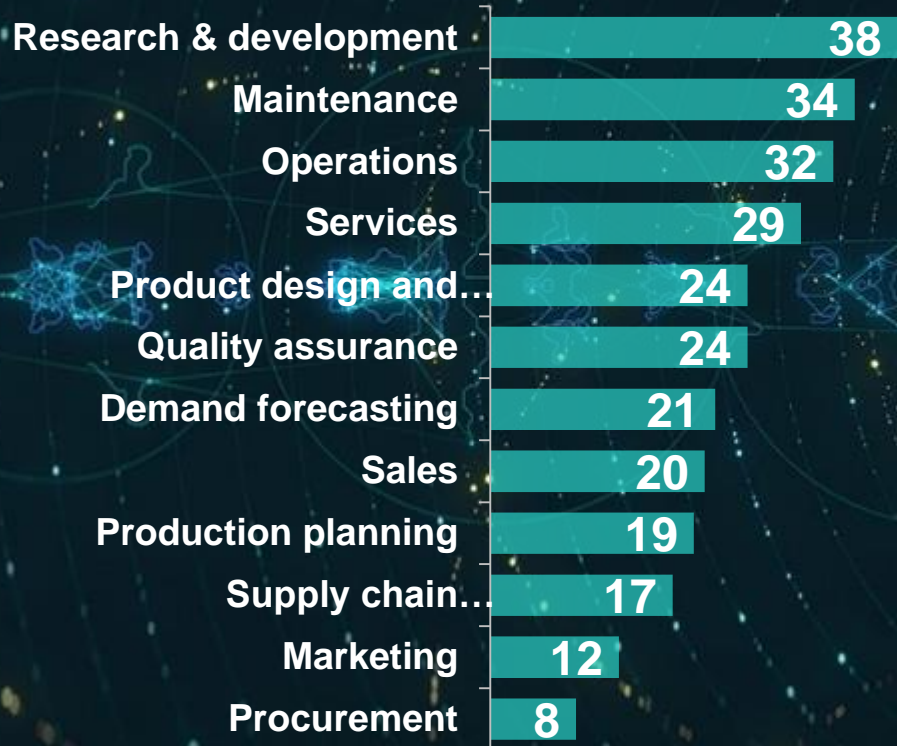
**63% say AI will not be a Job Killer**

New jobs created by AI will balance or outweigh jobs  
made redundant by AI



# Application areas and goals of AI in the industrial sector

**Functions/activities where AI has been/will be implemented**  
% of respondents



**Goals of AI**  
% of respondents



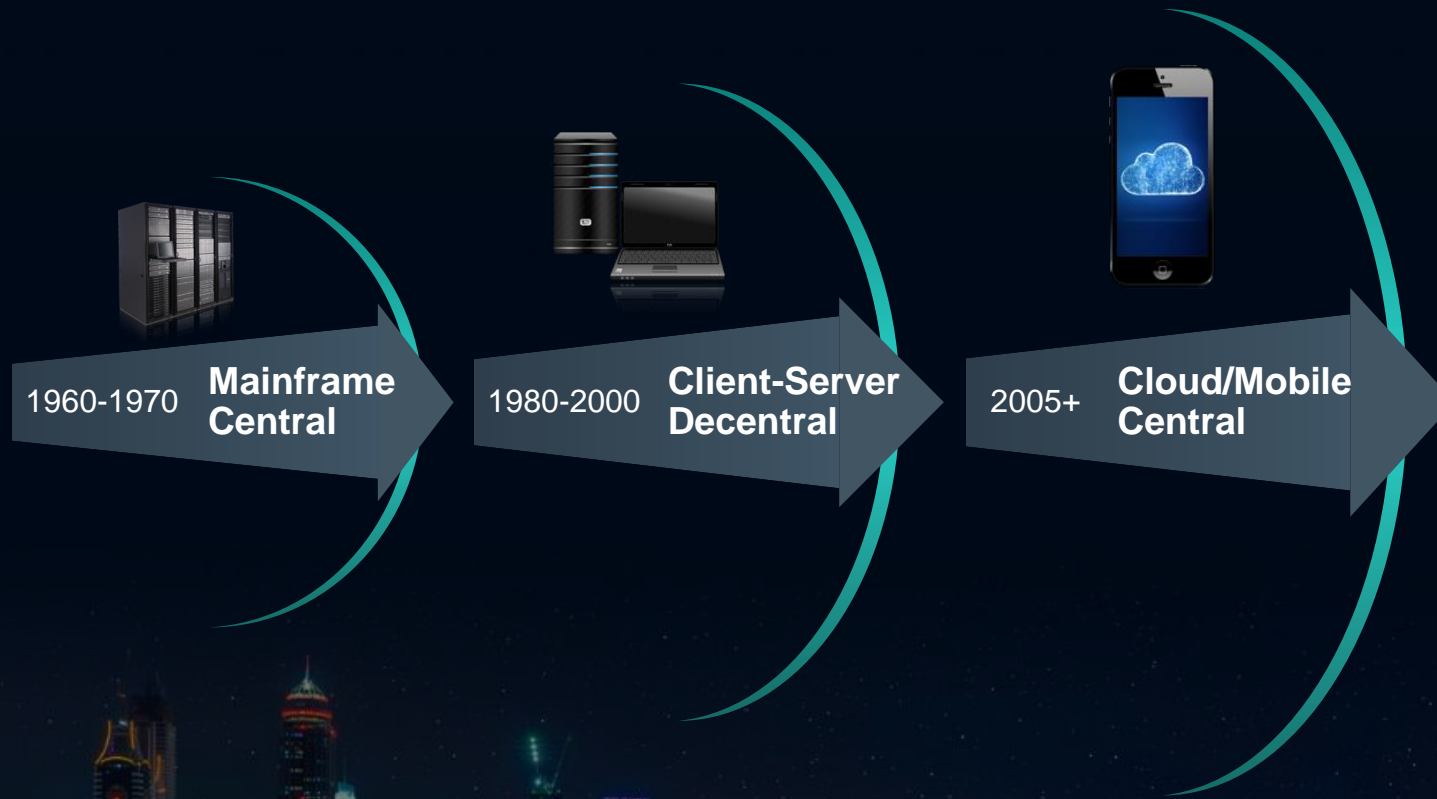
# Obstacles for AI adoption





# The Enterprise of the Future











# From “Systems of Record” to “Systems of Action”

## Structured Data

**40 Petabytes**

Walmart's database



## Human Data

**4 Petabytes/day**

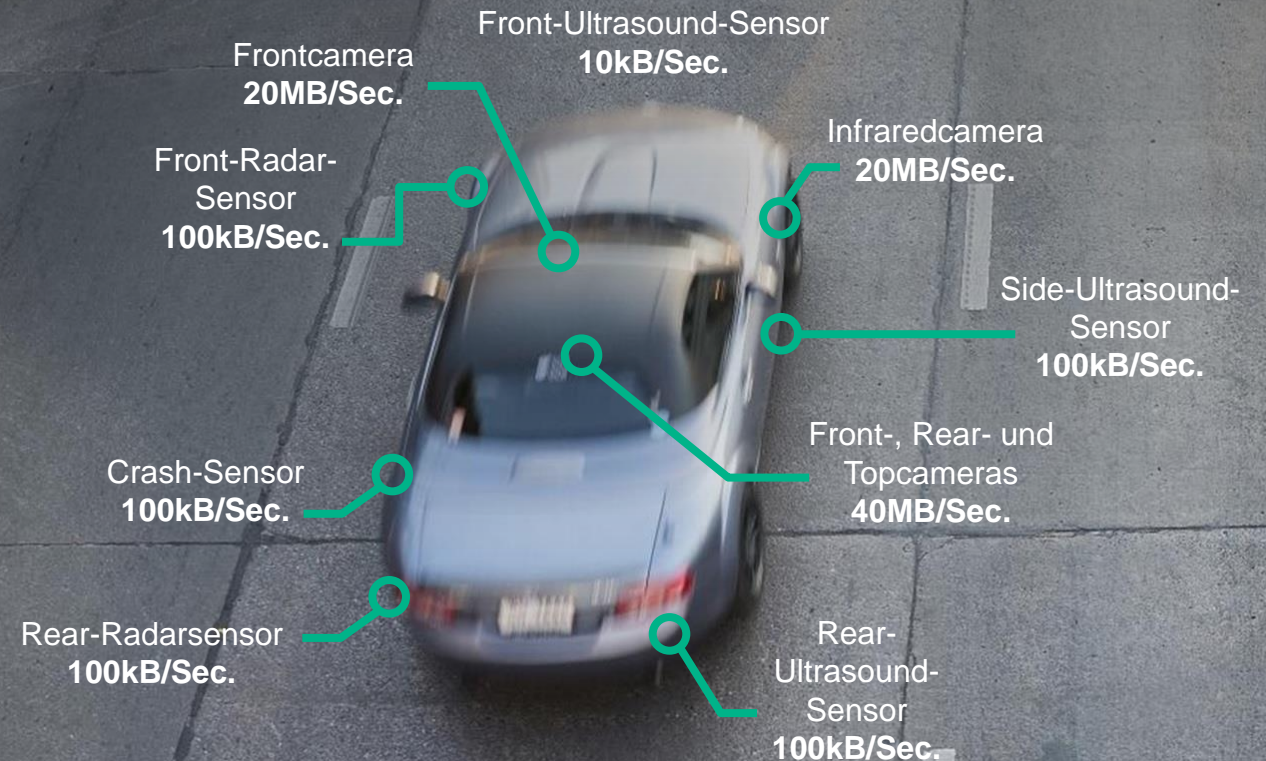
Daily uploads of content to  
Facebook



## Digitization of the physical world

**40,000 Petabytes/day**

10 Mio. partly autonomous cars in 2020



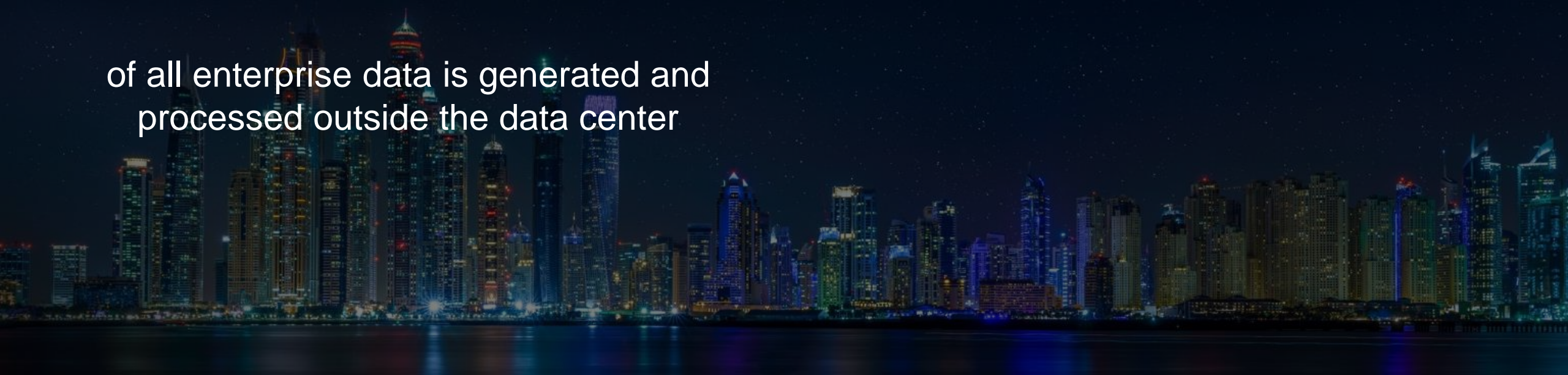


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**2018**

**10%**

of all enterprise data is generated and  
processed outside the data center





2018

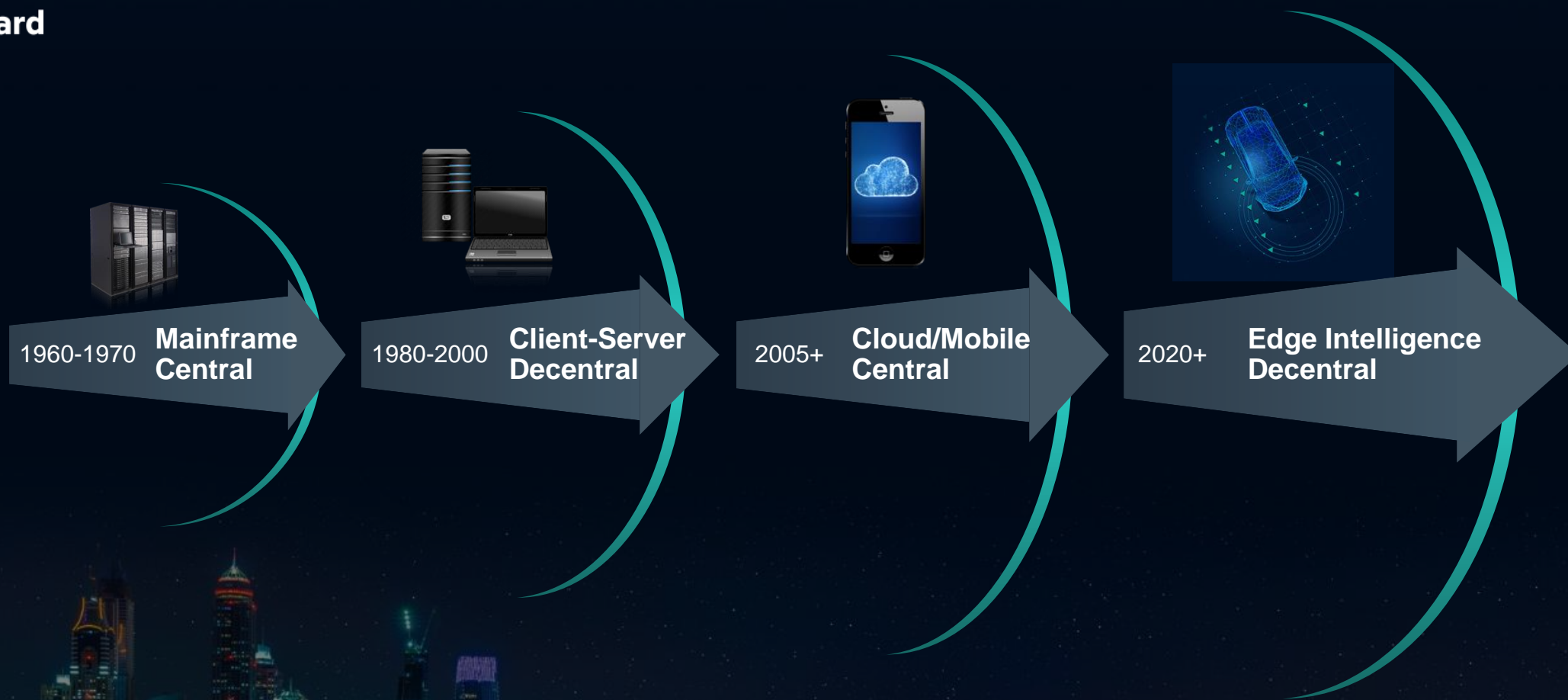
10%

of all enterprise data is generated and  
processed outside the data center

2025

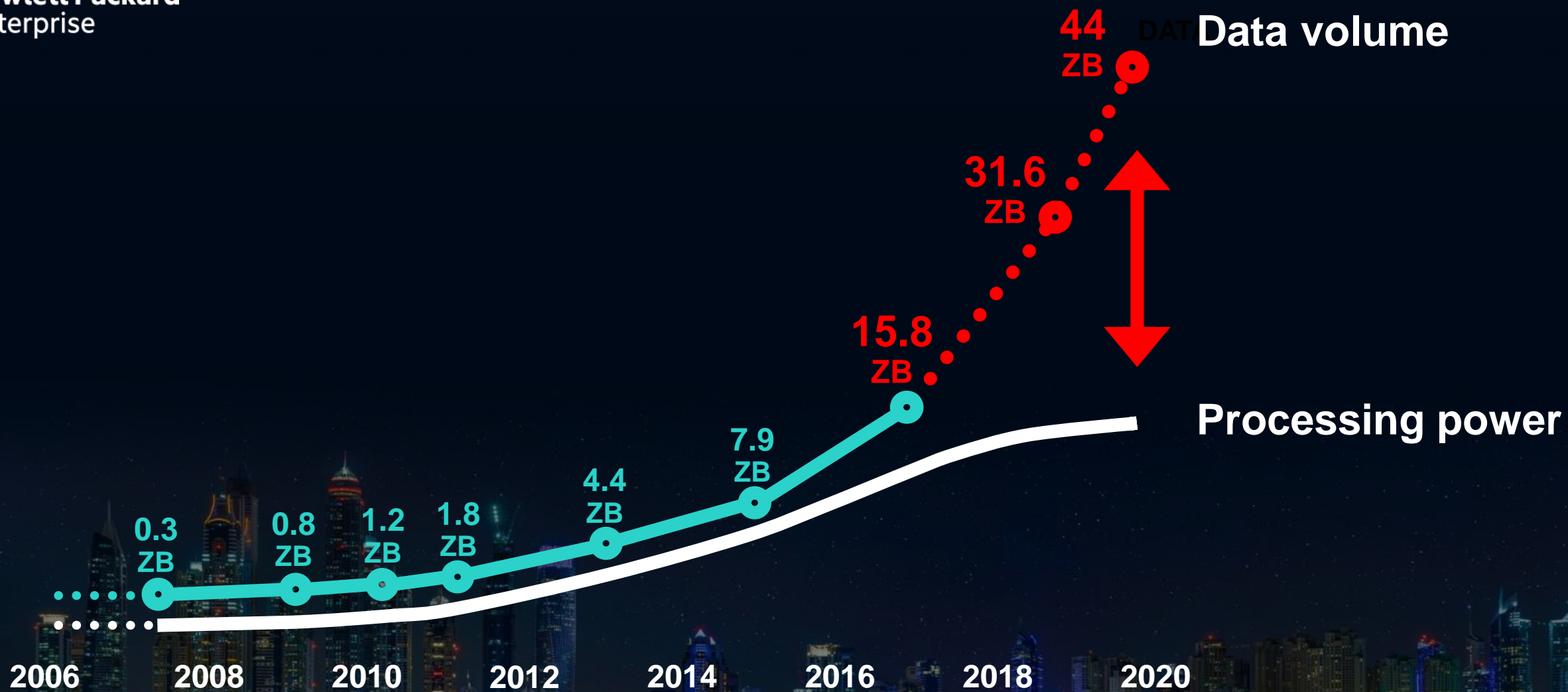
75%

of all enterprise data is generated and  
processed outside the data center











# 94%

of generated data is not used



# Customer Examples



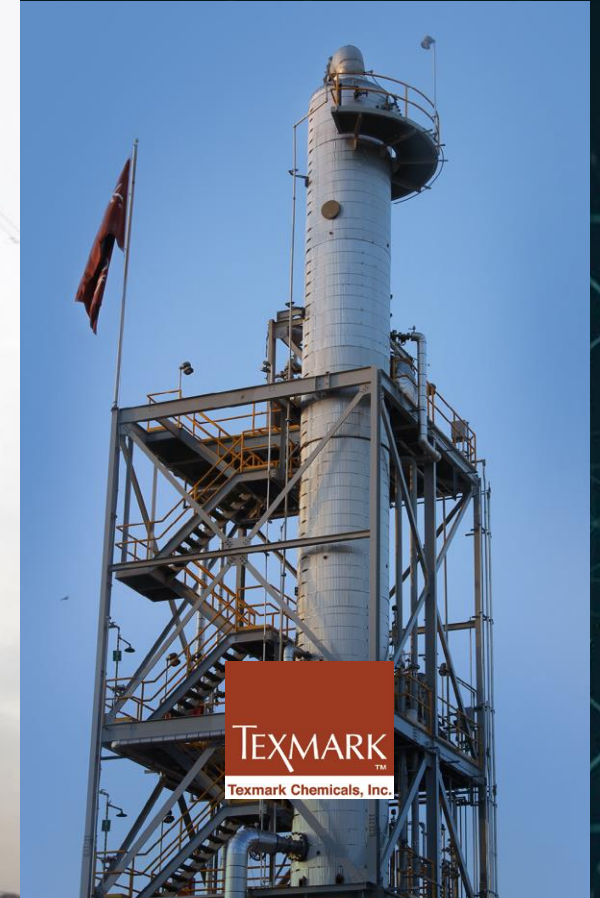
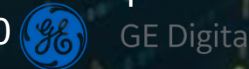
100% time reduction  
to manually inspect  
production systems



Increased data  
processing speed of its  
smart meters by 800%



19B projected reduction  
in operational and capital  
costs by 2020



50% reduction in planned  
maintenance costs







# Edge-to-Cloud

Everyone and everything  
connected and secure

Intelligence will be  
embedded everywhere

Everything will  
be understood



But...







# Thank you