LEADING DIGITALLY

Petar Kočović Digital Dreams CIO LEADERSHIP FORUM October 25 and 26, 2018



Yugoslavia 1983

Only 5 IT Roles



Programmer



Technician



Punch tape Operator



System Engineer



Chief of Computer center



How Many Companies were in SFR Yugoslavia?

https://www.polleverywhere.com/multiple_choice_polls/





Serbia Today





No of Citizens (excl. Kosovo): 7,040,272

No of Companies: 147,989

Entrepreneurs: 254,496

Top 150

- 0 Employees 25
- 0-500 Employees 1



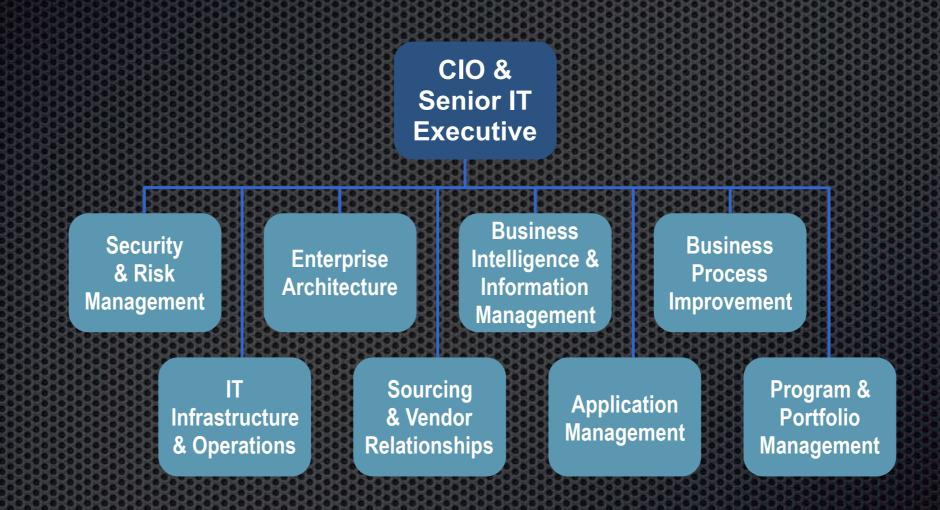
Serbian ClOs Today



Banking and Financial Institutions: 33 -12 ClOs Insurance: 10-2ClOs Government: 5

Who is ClO?

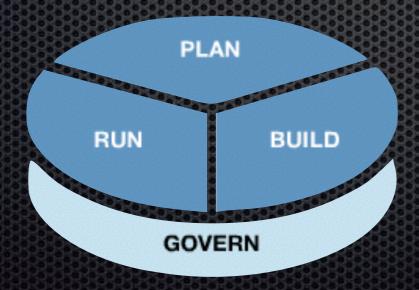
Roles prevalent in most user IT organizations



Activity Cycles developed for each role



Infrastructure & Operations



Security and Risk Management

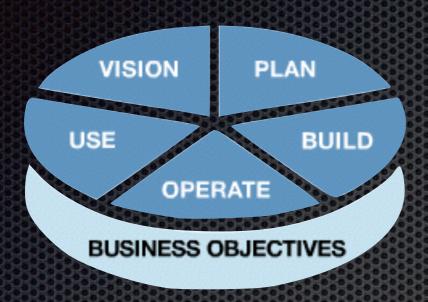


Enterprise Architecture

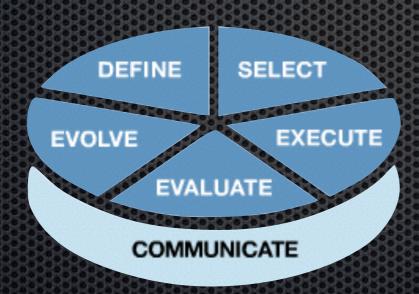


Applications

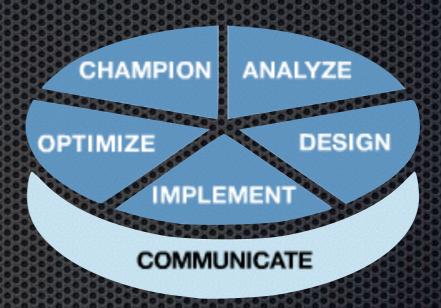
Activity Cycles devloped for each role



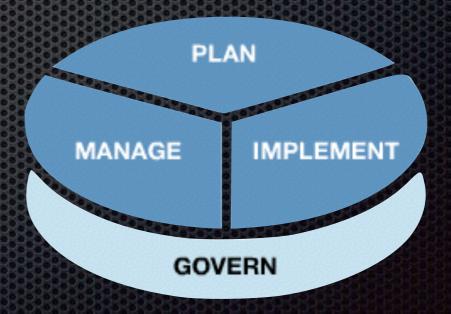
Business Intelligence & Information Management



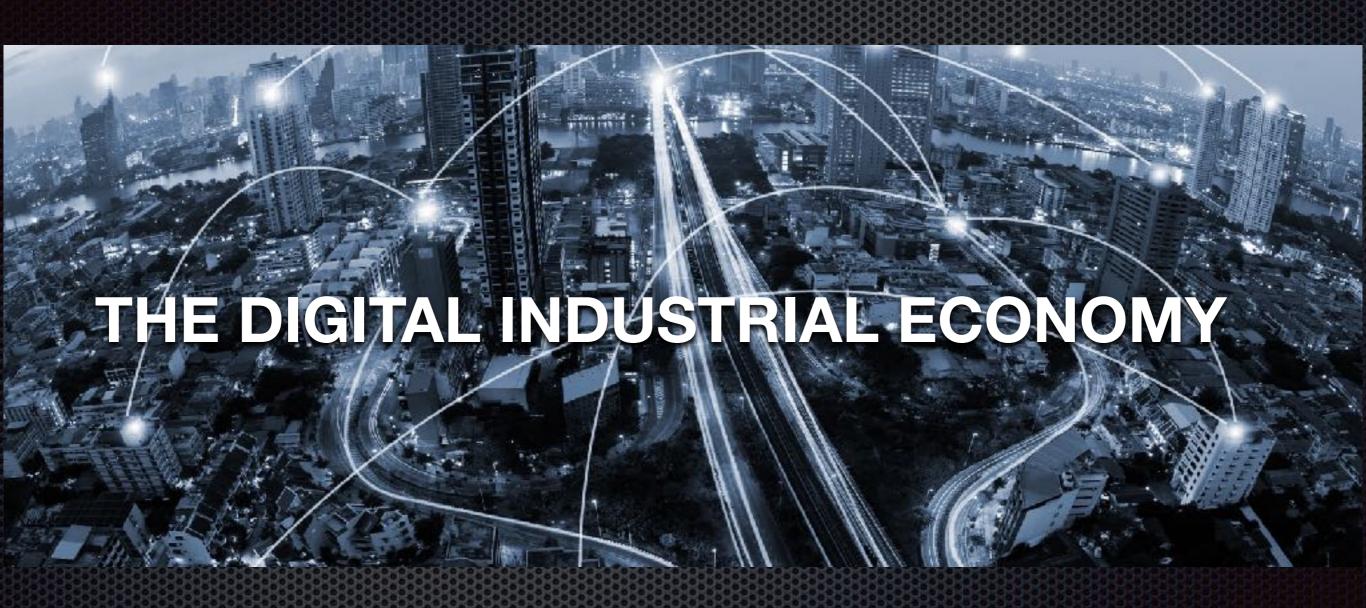
Program&Portfolio Management



Business Process Improvement

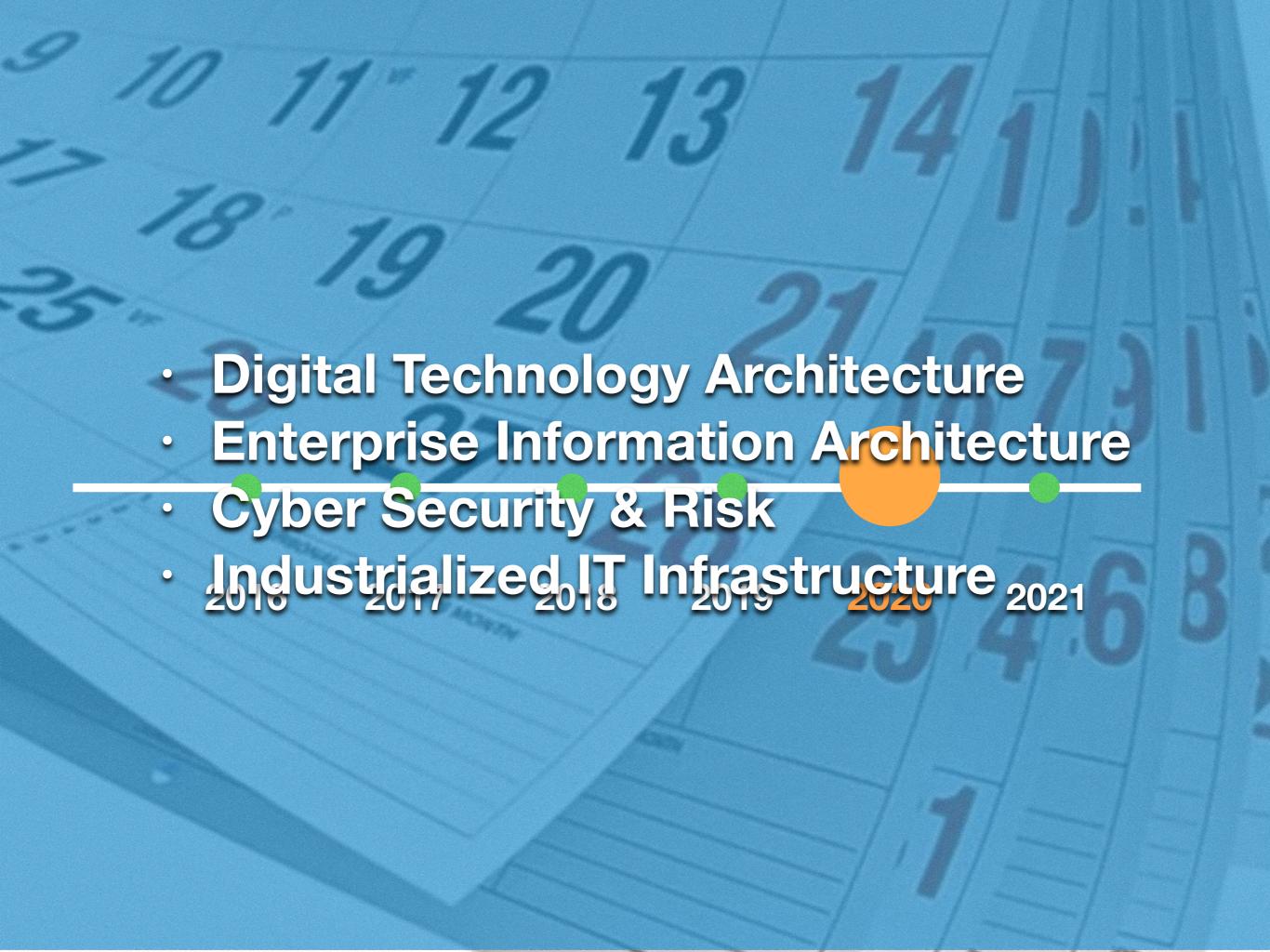


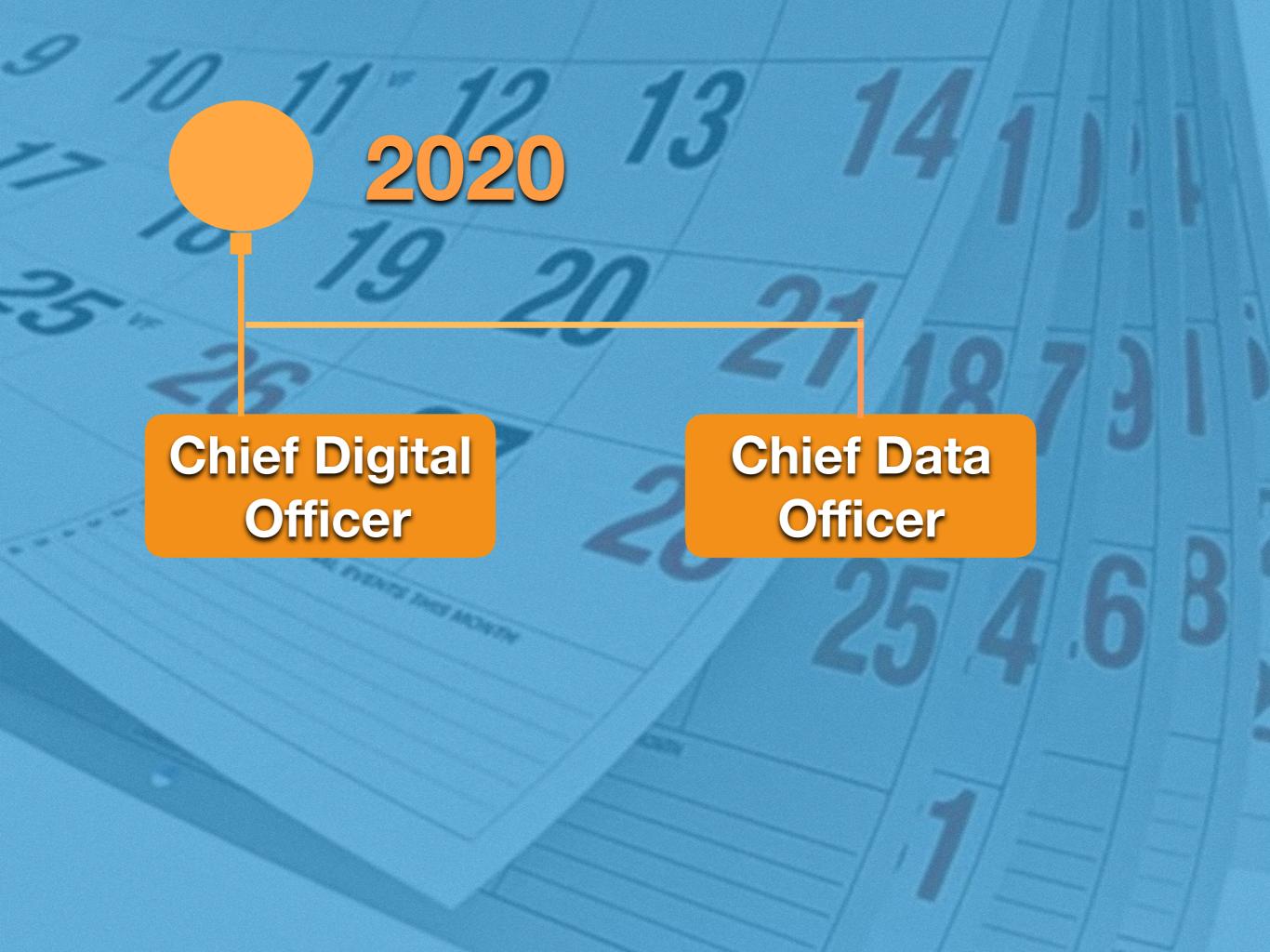
Sourcing and Vendor Relationships



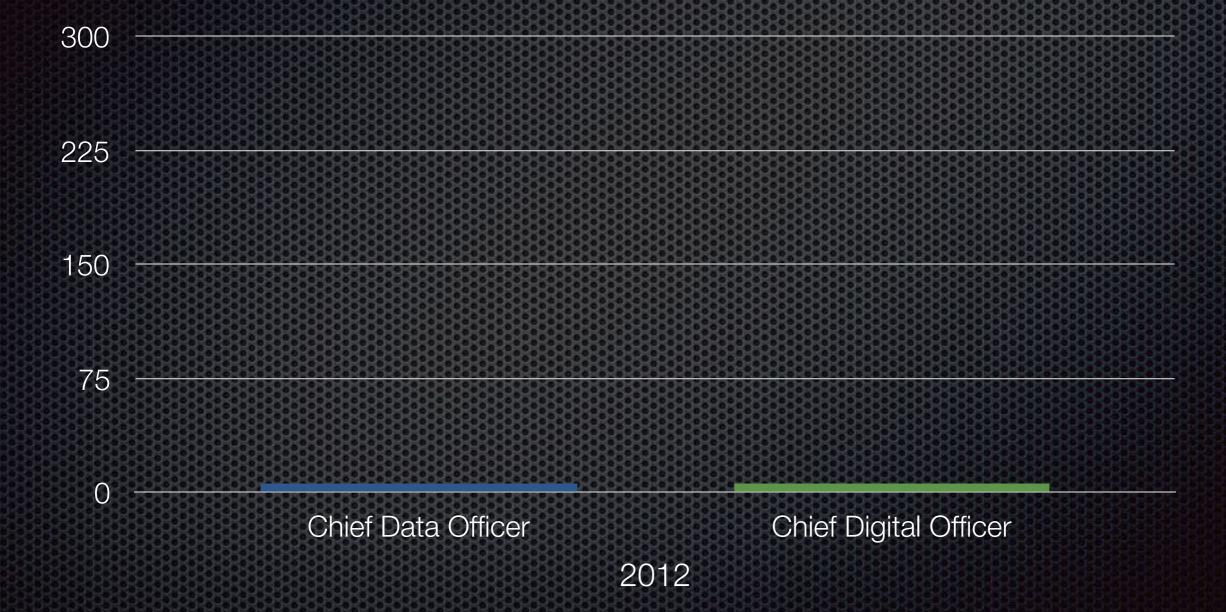






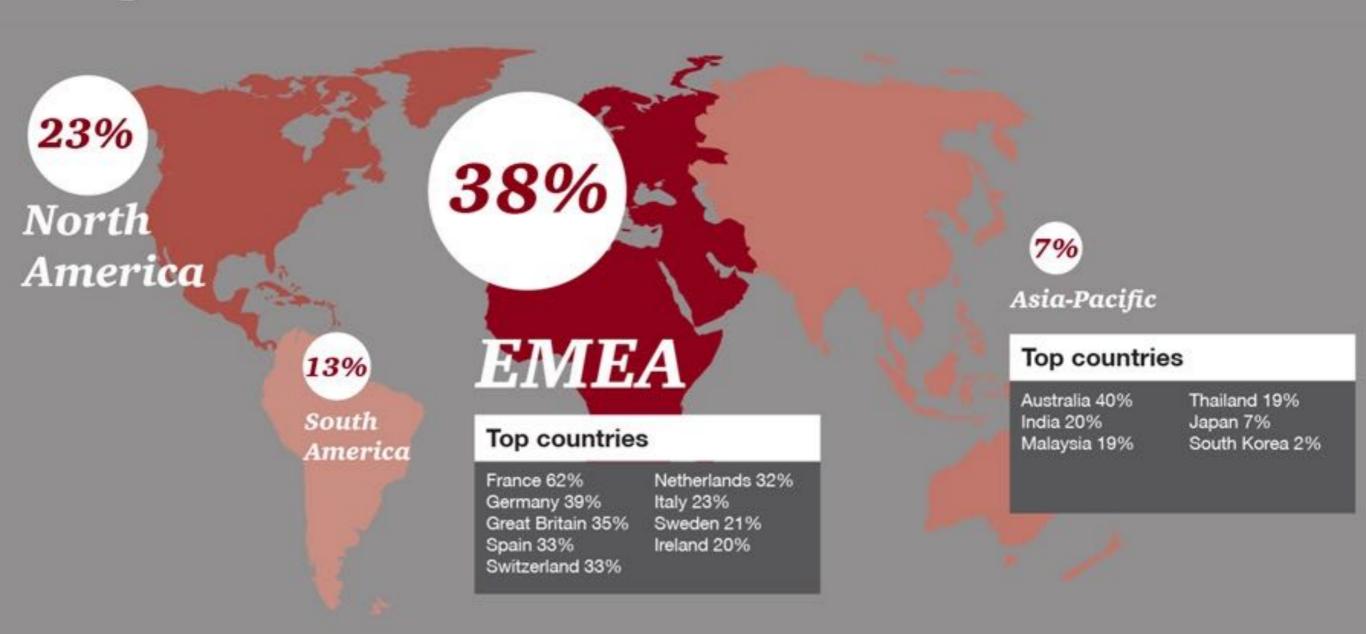


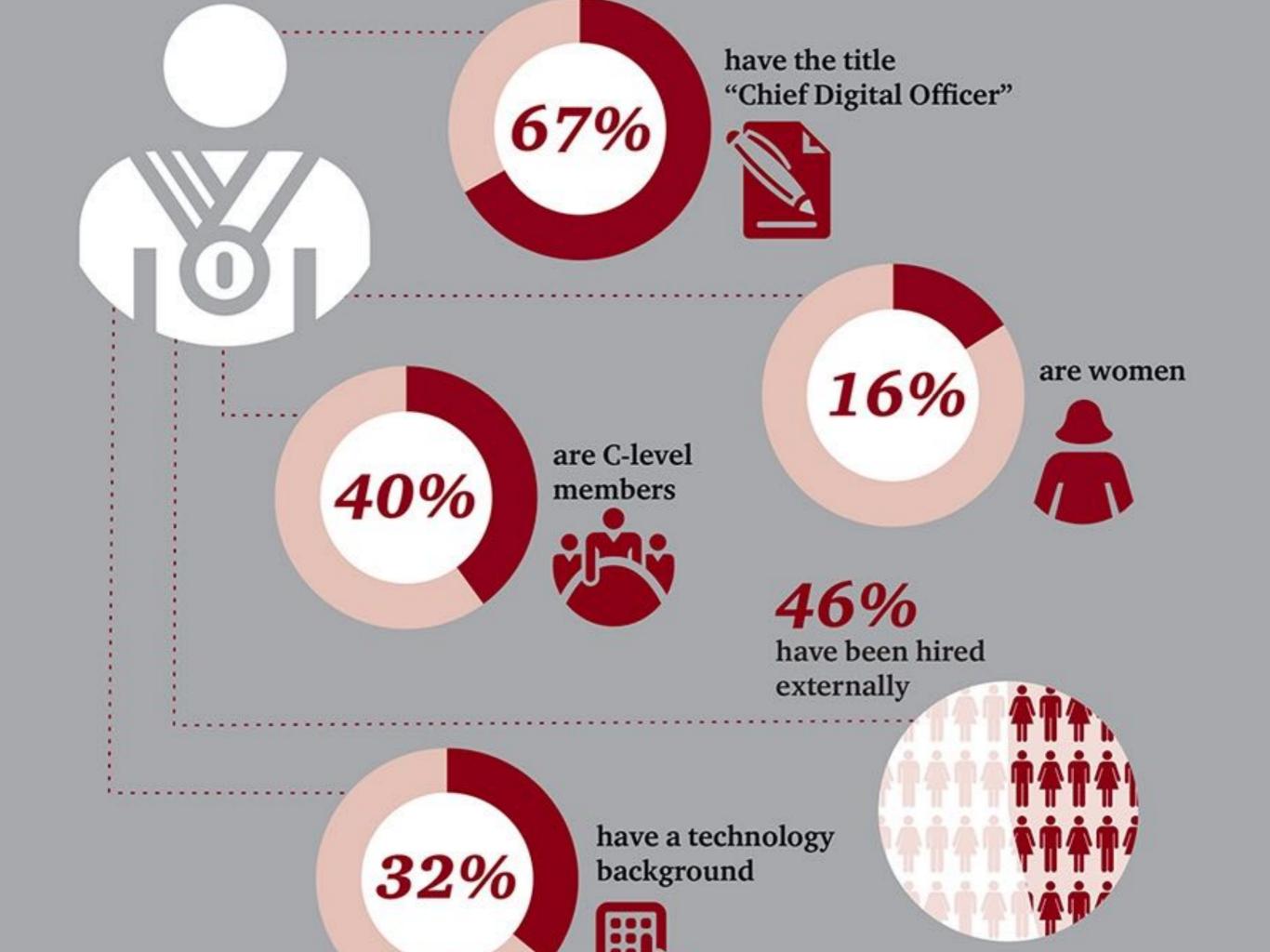
New Leadership Roles



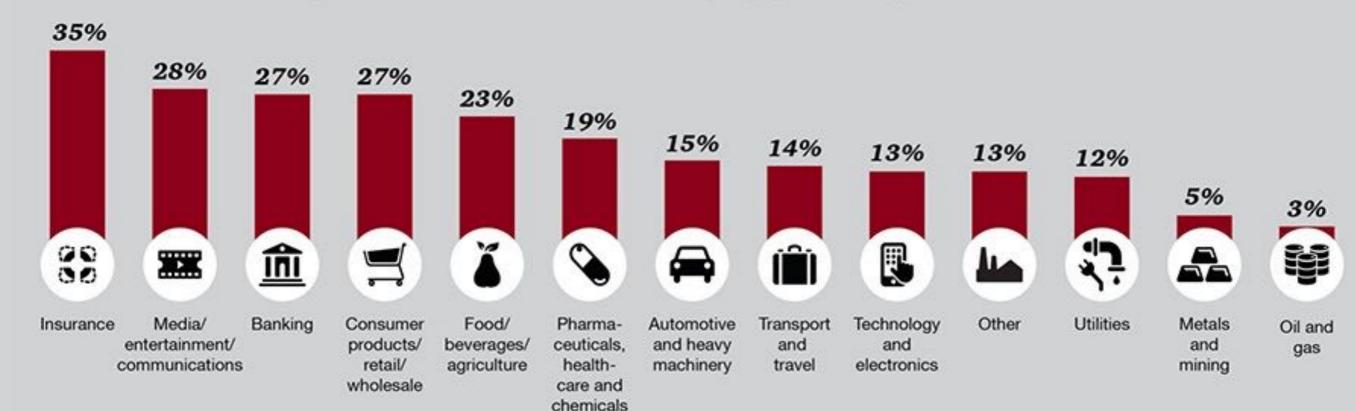
Facts about Chief Digital Officer Role

Companies in EMEA have more CDOs than elsewhere

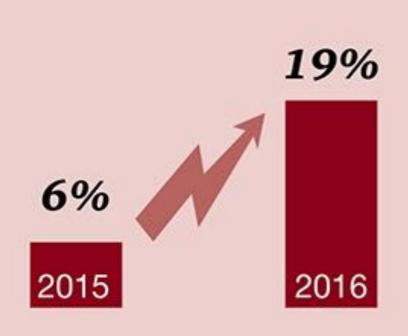


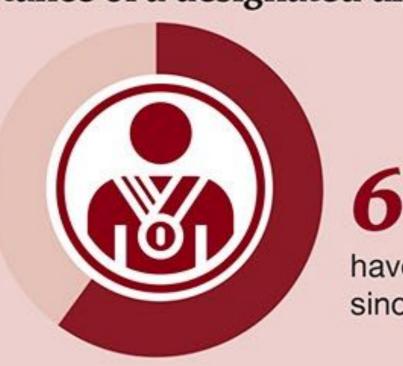


Consumer-facing industries lead the way appointing a CDO



Companies recognize the growing importance of a designated digital leader



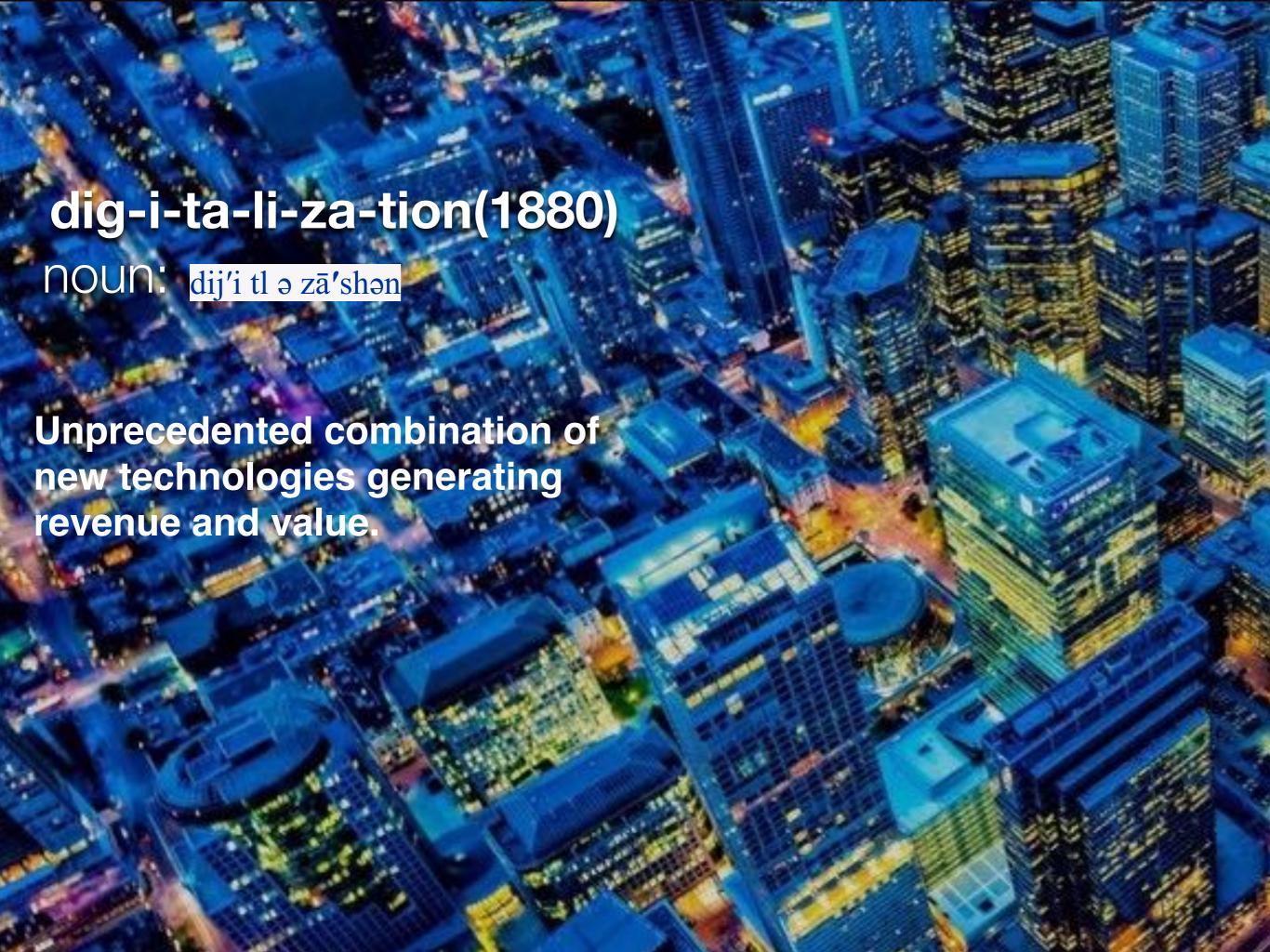


60% have been hired since 2015













DIGITAL

REAL



Systems Things

(lot)

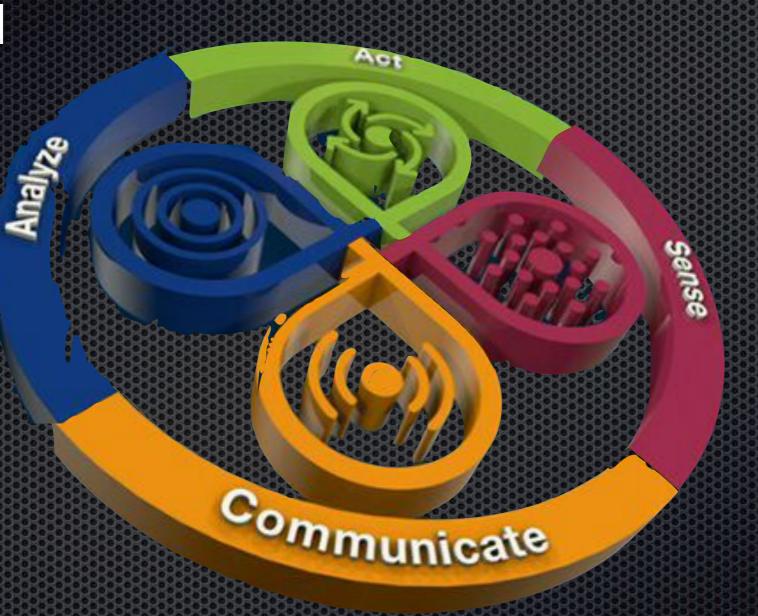
Places

People

Customer Connected Objects

Devices
Processes
Application
Data

IoT Analytics



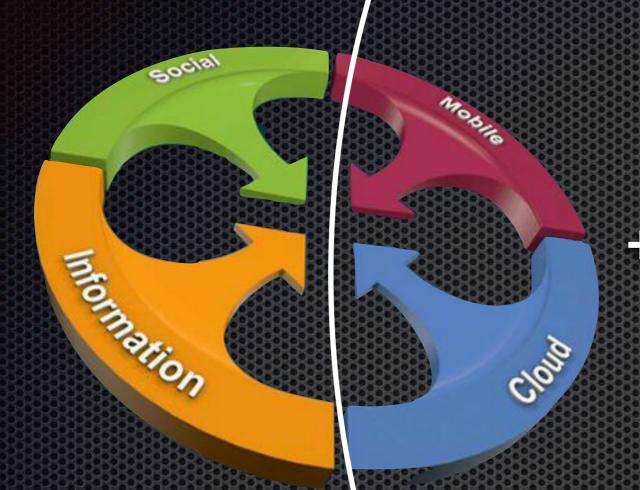
DIGITAL

Enterprise
Connected
Object

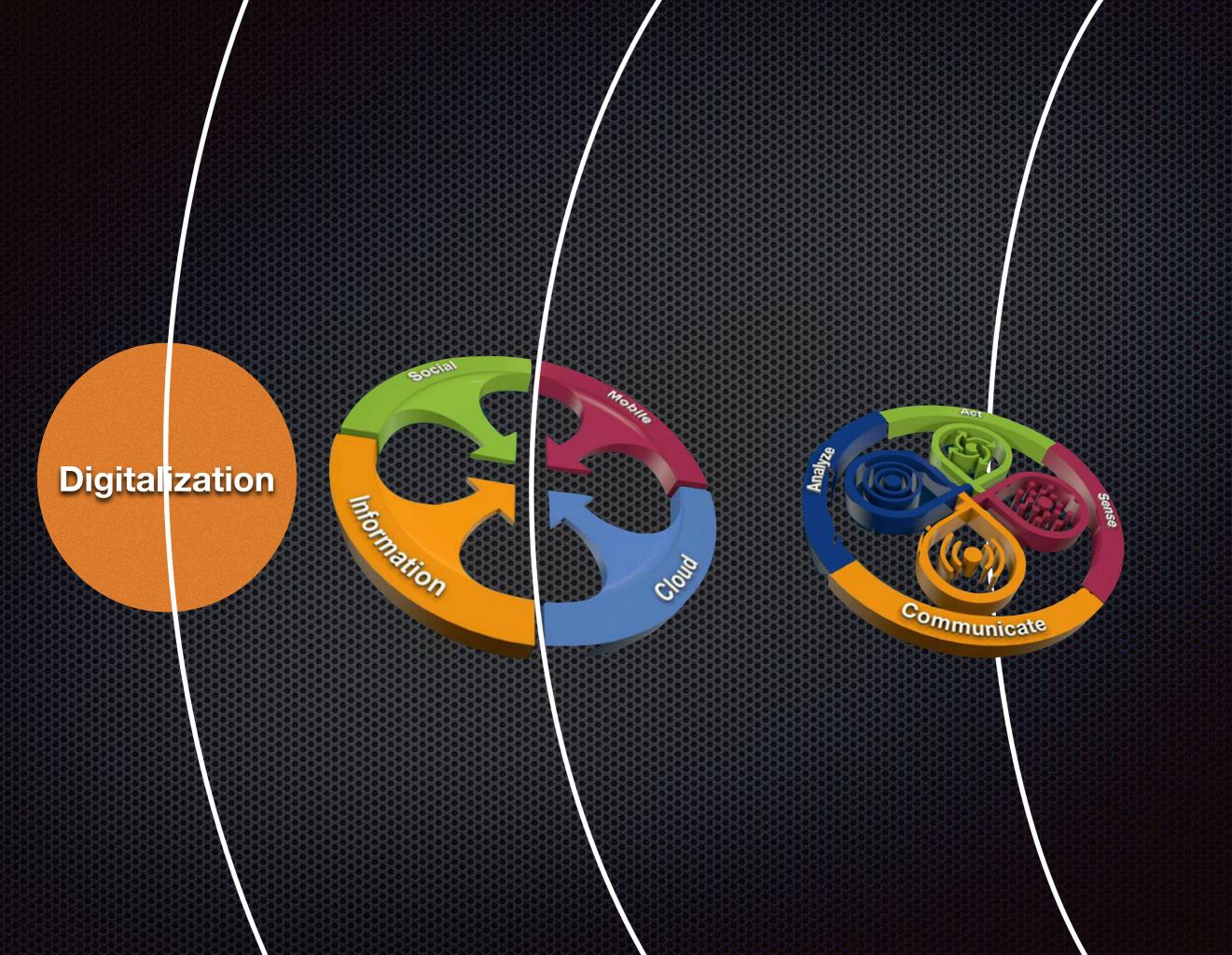
IoT Integration Platform

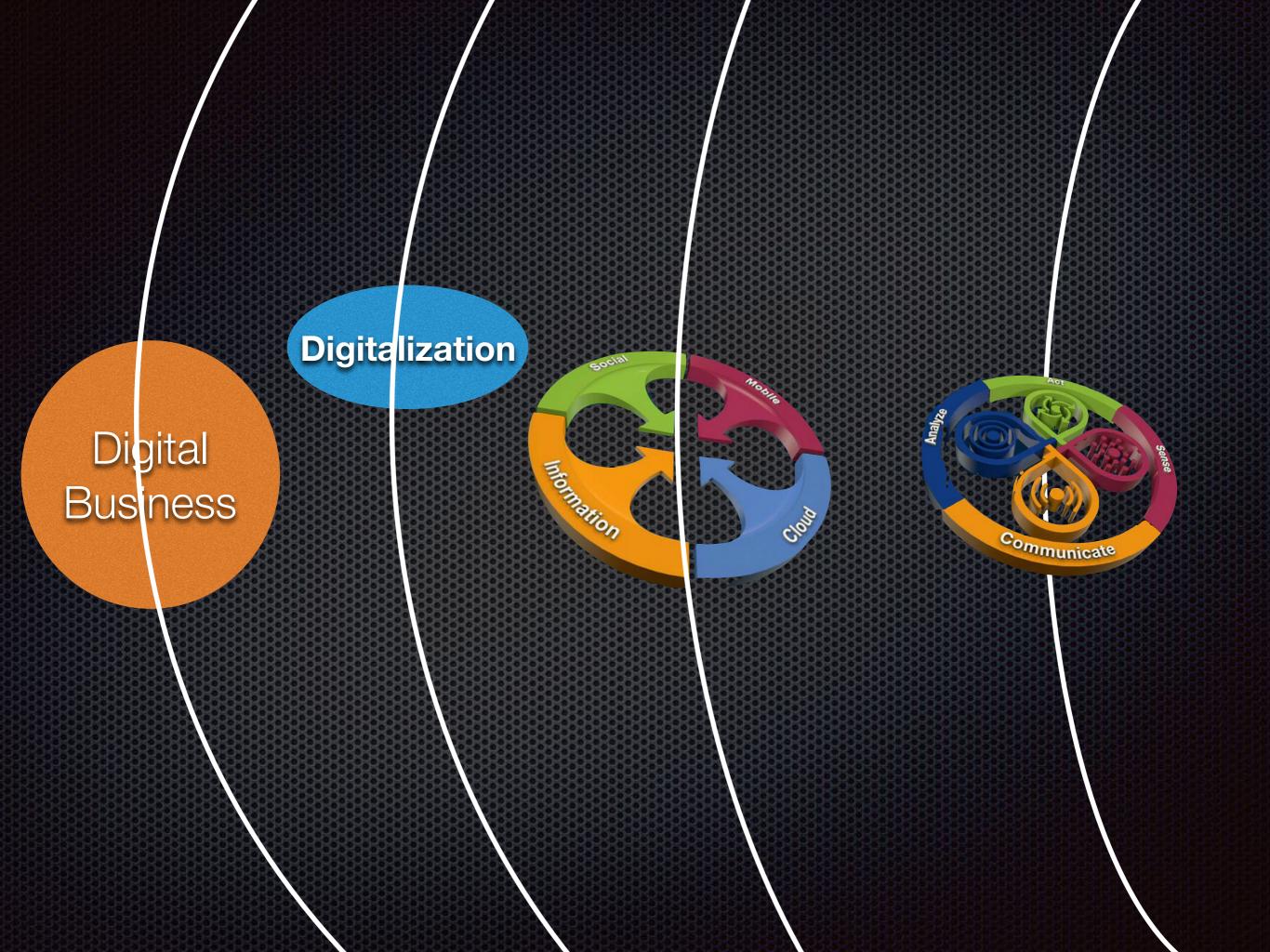
DIGITAL

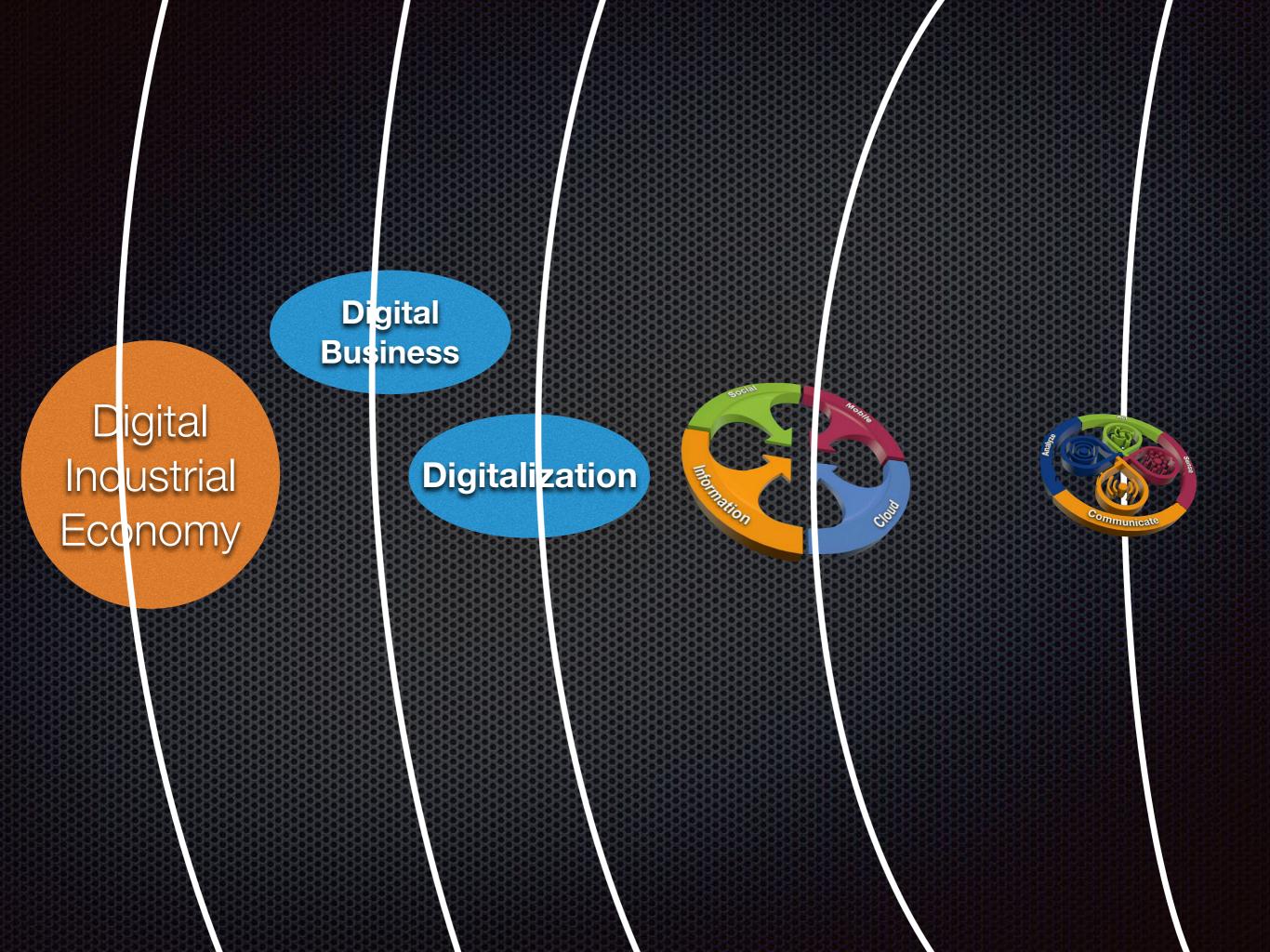


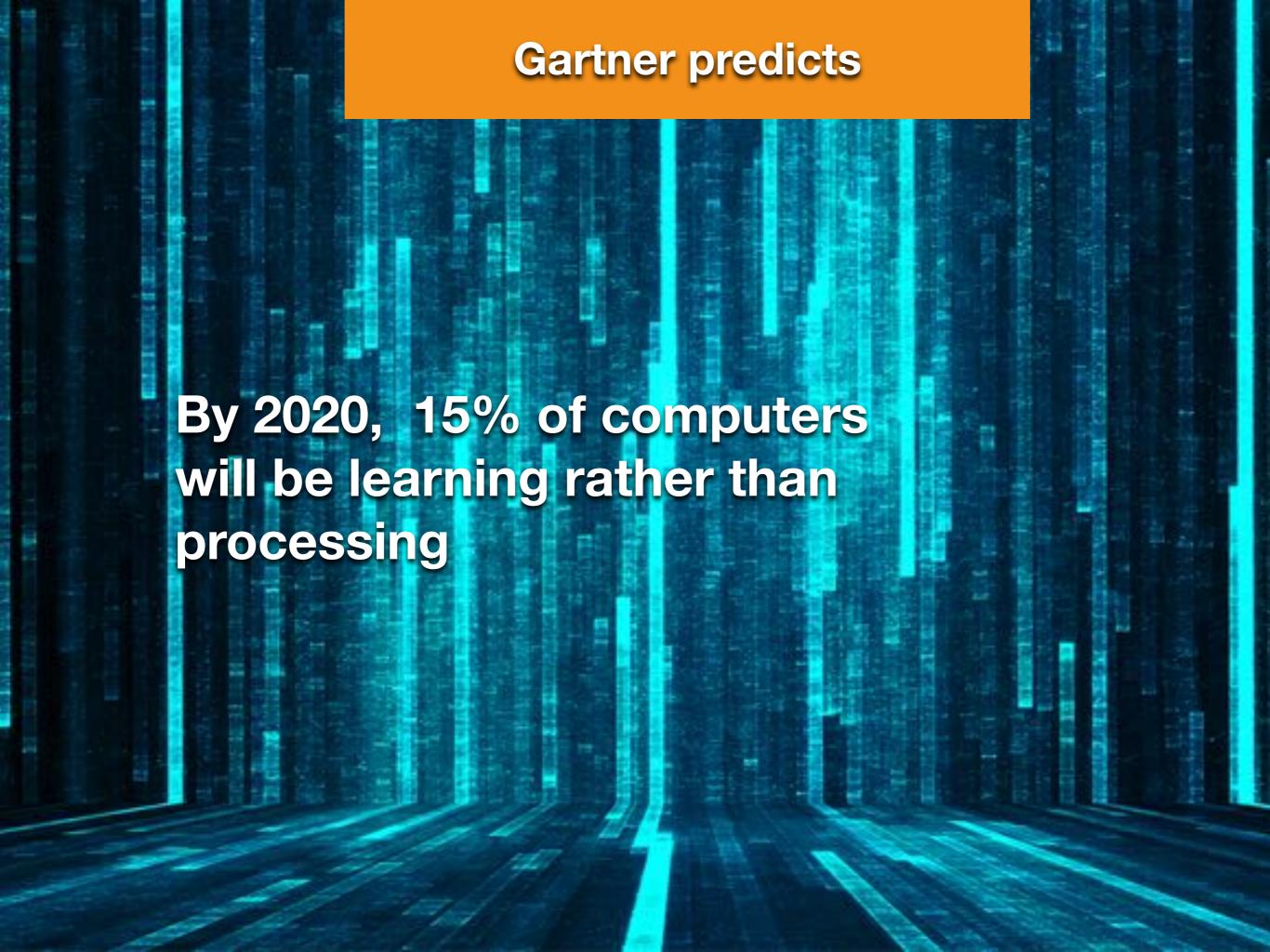




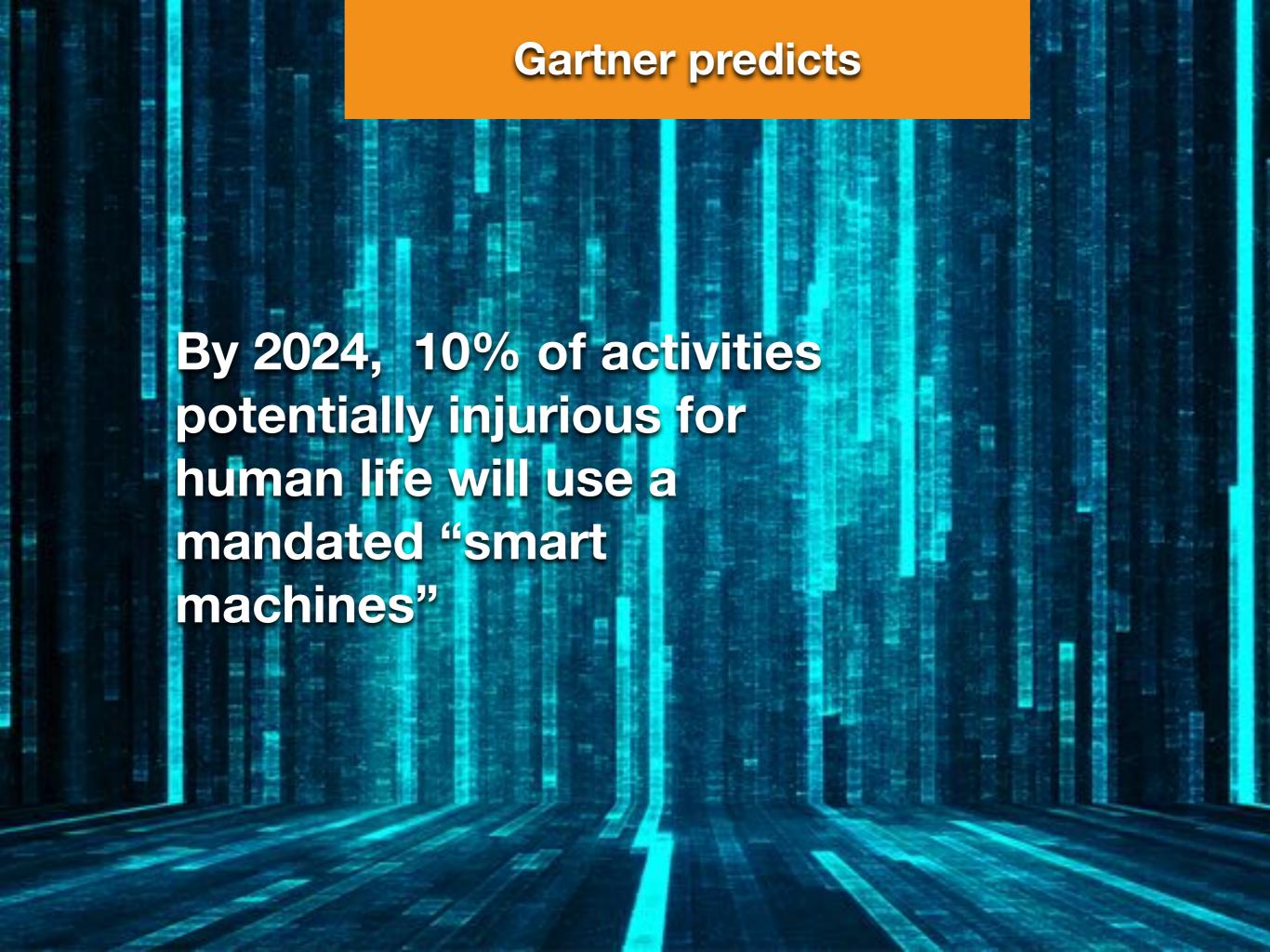












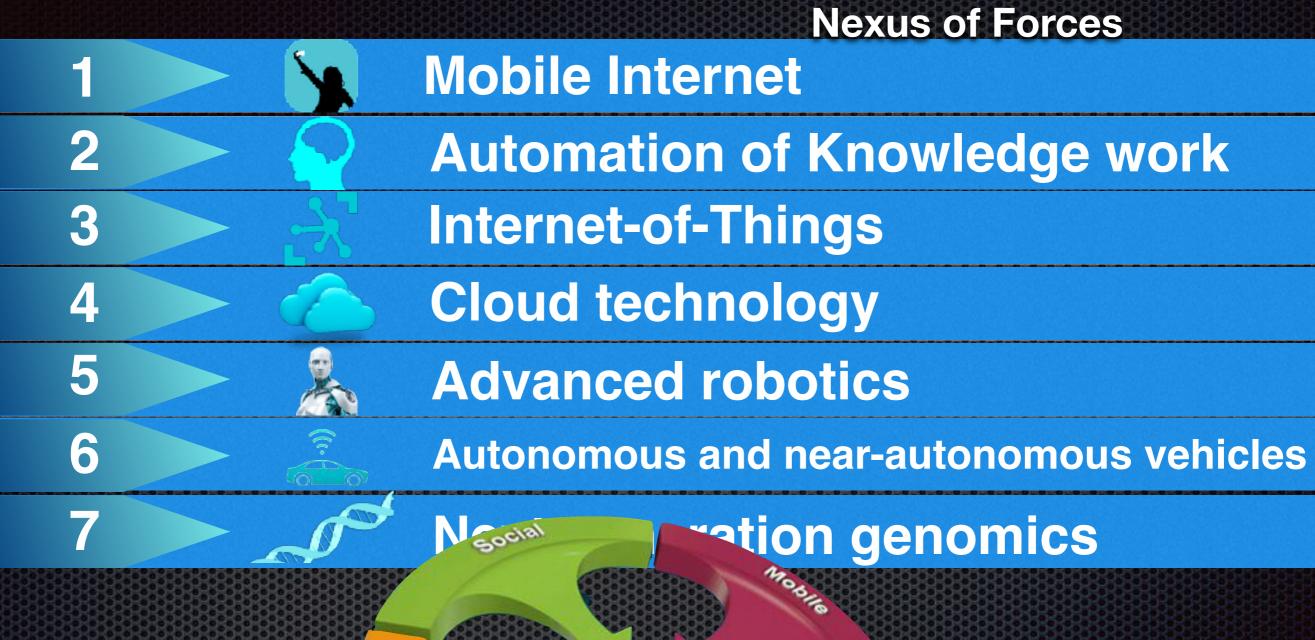


Renewable energy

Disruptive dozen



Disruptive dozen and Nexus of Forces



Mormation

2014

BI/Analytics

Infrastructure and Data Centre

Mobile

ERP

Cloud

Networking, voice and data communication

Digitalization/Digital Marketing

Security

Industry spec. applications

CRM

2014

2015

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Legacy modernisation

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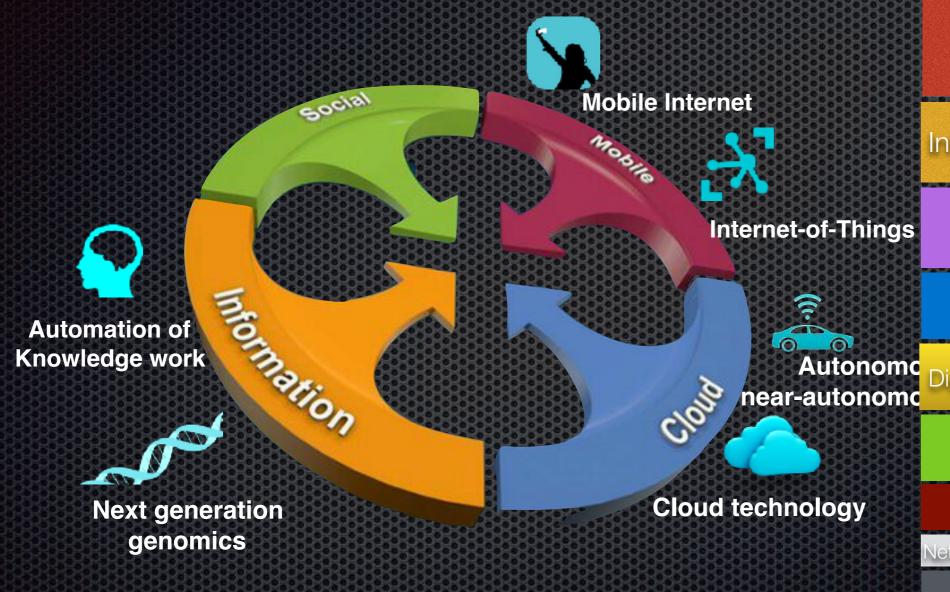
Security

Networking, voice and data communication

Legacy modernisation

Industry spec. applications

CRM



2016

BI/Analytics

Infrastructure and Data Centre

Cloud

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Digitalization/Digital Marketing

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Legacy modernisation

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CRM



2009Personal Devices1.6 Billion

2009 Internet of Things 0.9 Billion

World Population: 6.8 Billion

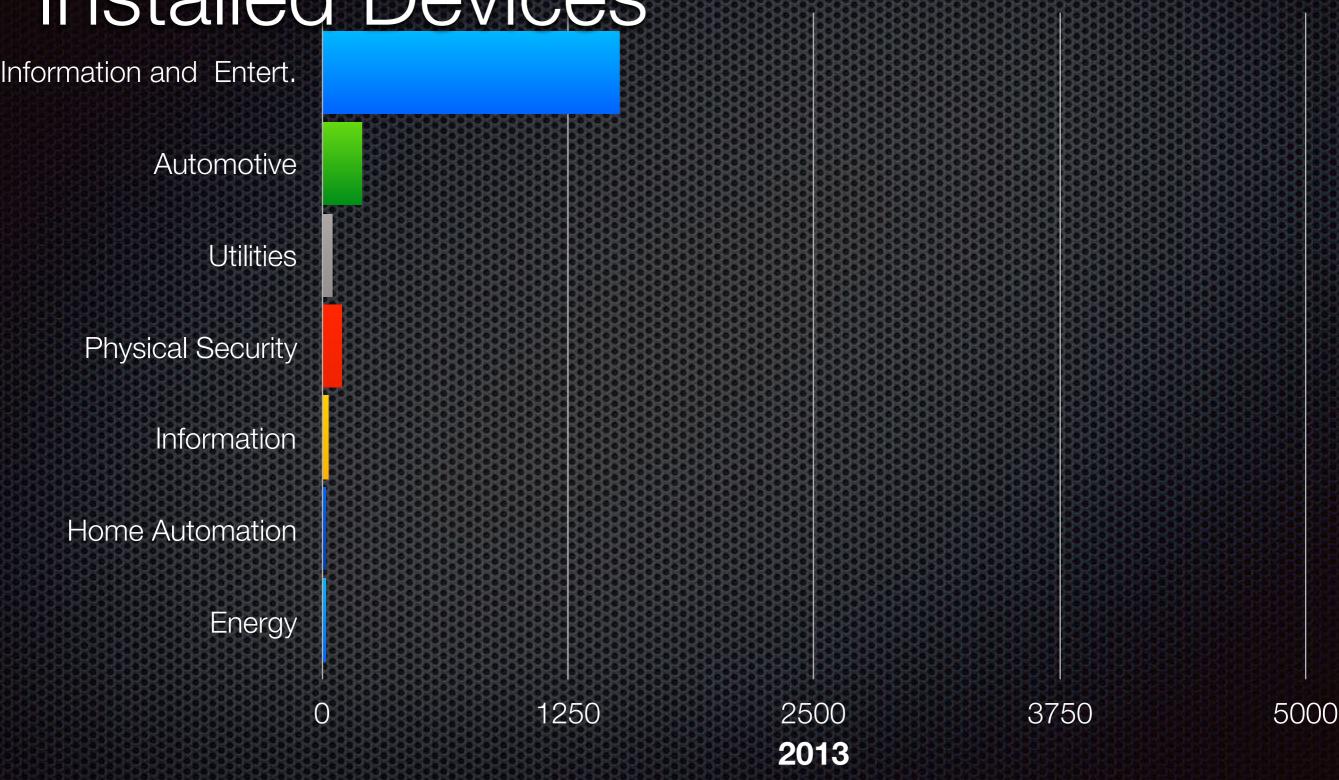
2020Internet of Things30 Billion

2020
Personal Devices
7.3 Billion

World Population: 7.6 Billion

INTERNET OF THINGS

Installed Devices





Vehicle

Autonomous vehicles and condition-based maintenance \$210-740B



Home

Chore automation and security

\$200-350B



Offices

Security and Energy \$70-150B



Cities

Public health and transportation

\$930B-1.7T

\$3.9-11.1 trillion per year in 2025

Factories

Operations and equipment optimisation \$1.2T-3.7T

777

Outside

Logistics and navigation

\$560B-850B

Human

Health and fitness \$170B-1.6T

Worksites

Operations optimization/ health and safety \$160-930B

Retail environments

Automated checkout \$410B-1.2T











of companies have a Chief Marketing Technologist today



800 of them report to Marketing









ALL LEADERS ARE DIGITAL LEADERS



Business Process

Business Model

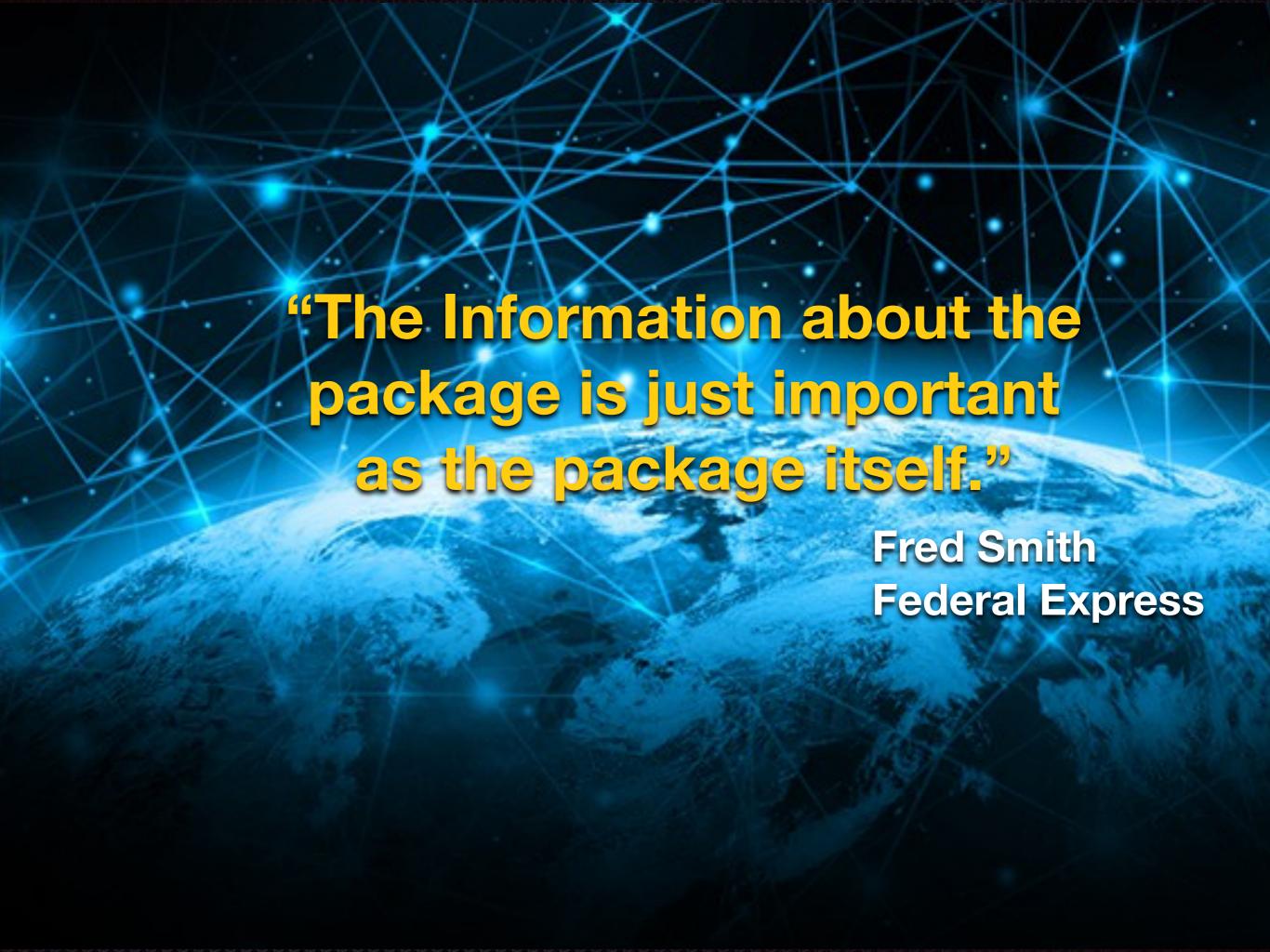
Business Moment

Business Process

Business Model

Business Moment







iZettle

Mobile Payments



Virtual Currency

KICKSTARTER

Crowdfunding

TRANSIENT OPPORTUNITIES EXPLOITED DYNAMICALLY

Business Moment







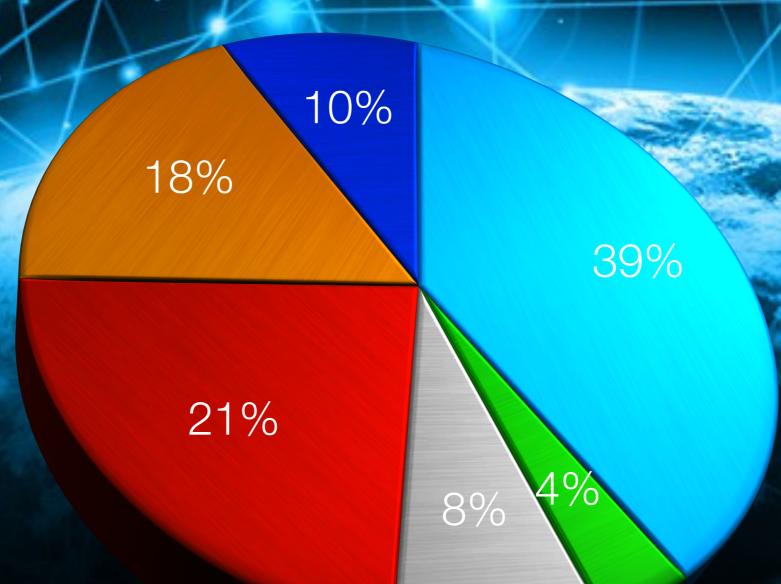




IT Budget Allocation

- Infrastructure & Operations
- IT Management
- Application Support

Finance & Administration Application Development Service Desk



IT Budget Allocation

Personnel

Hardware

Software

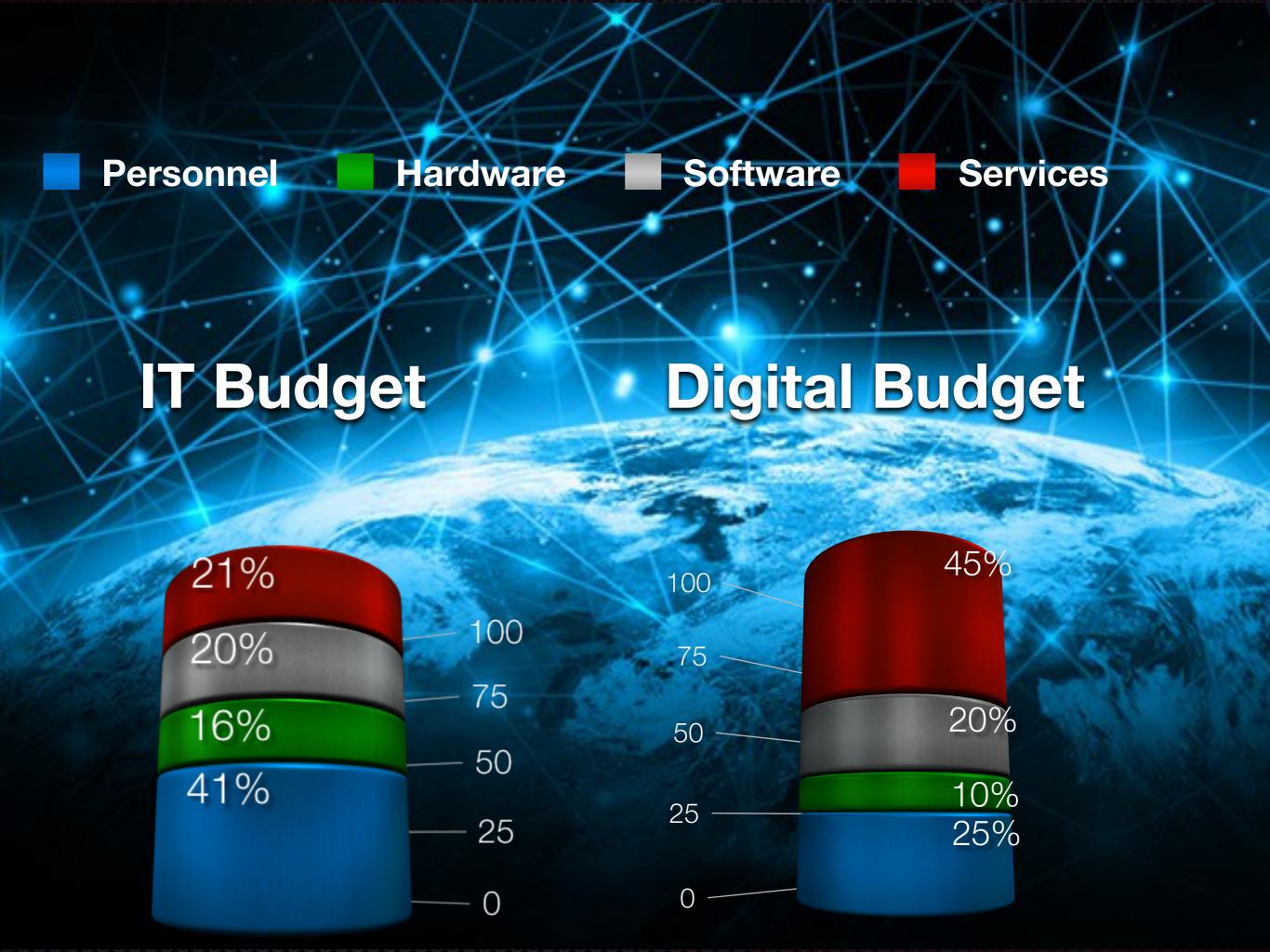
Services

23%

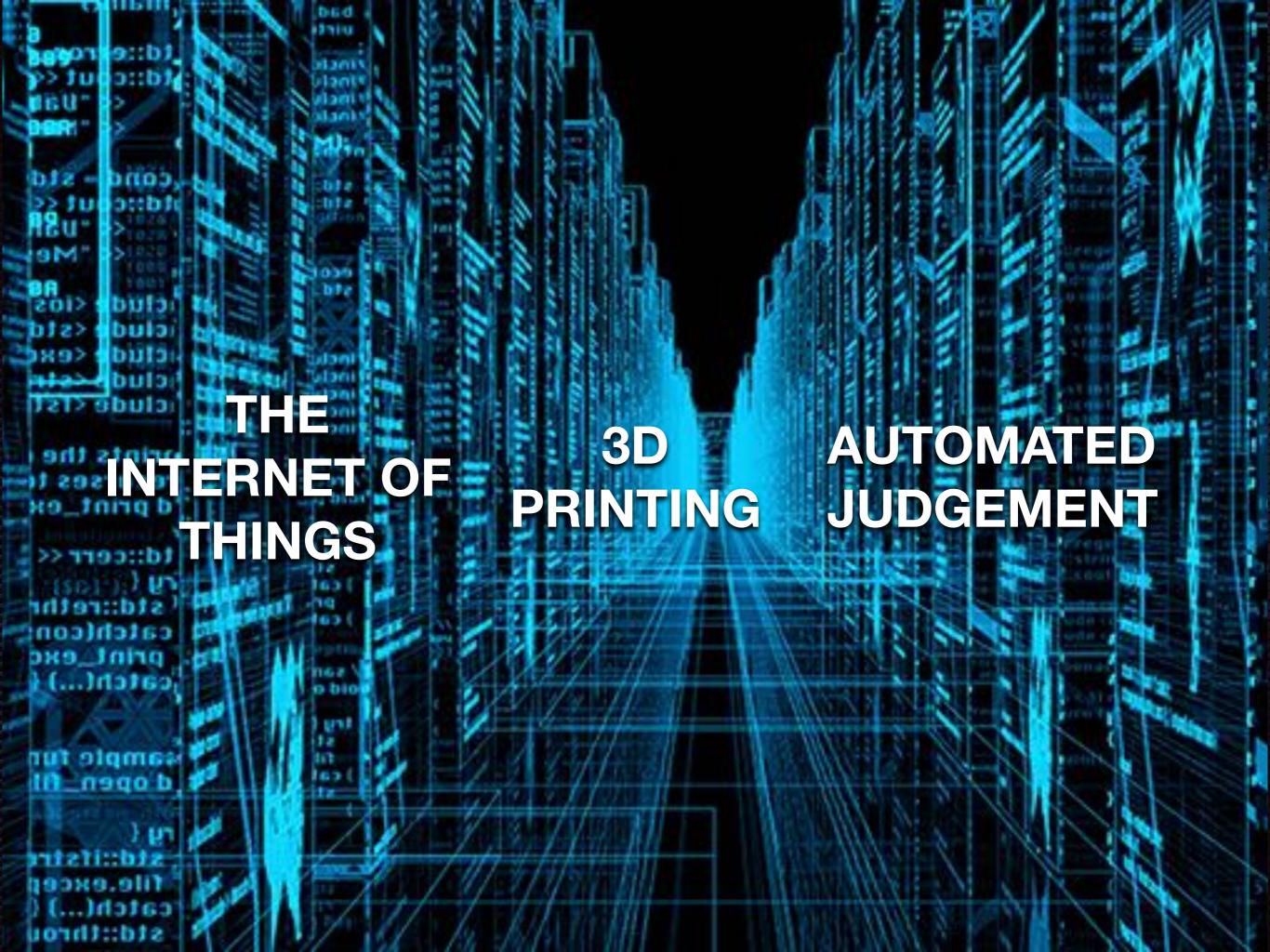
20%

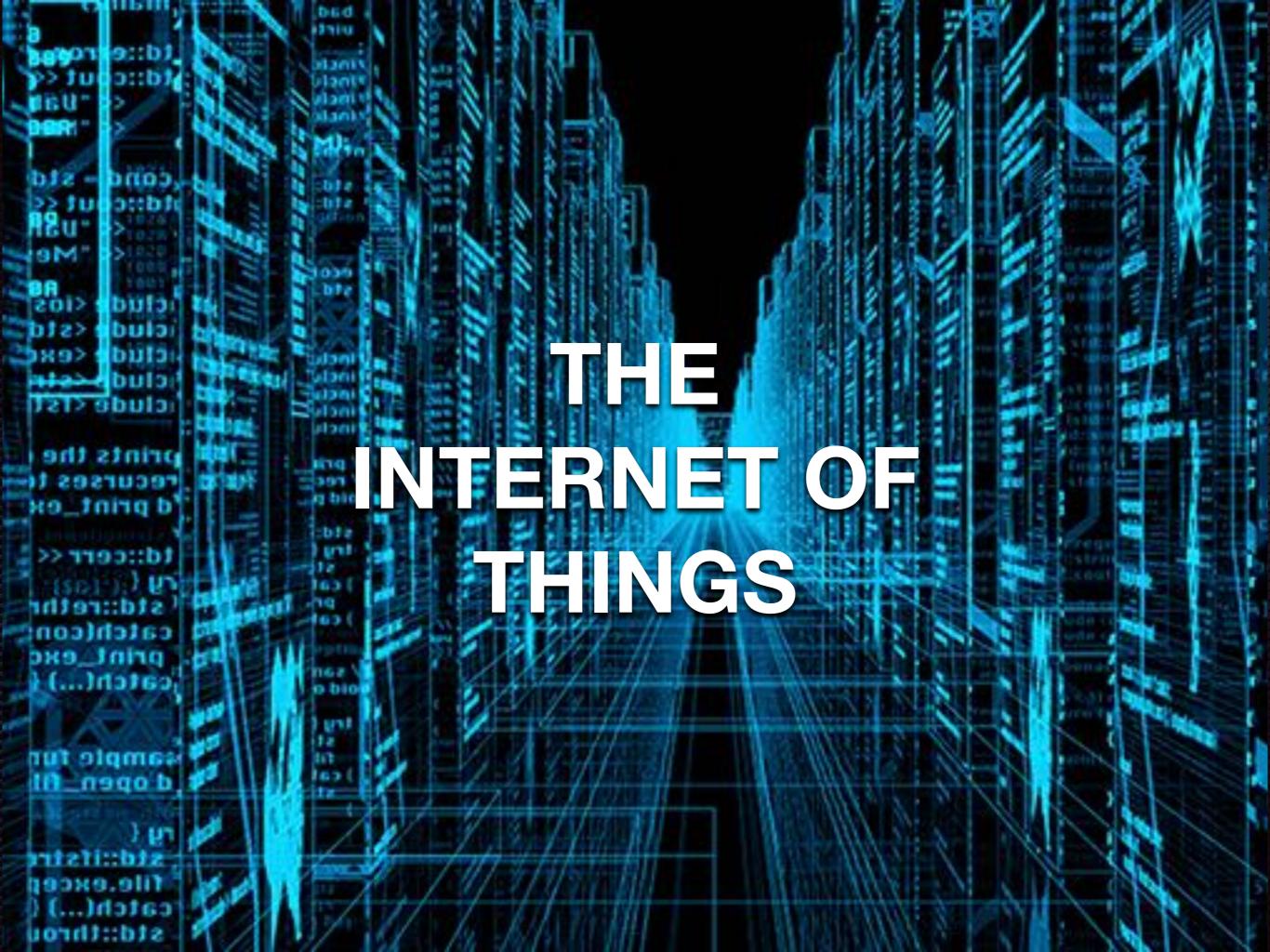
16%

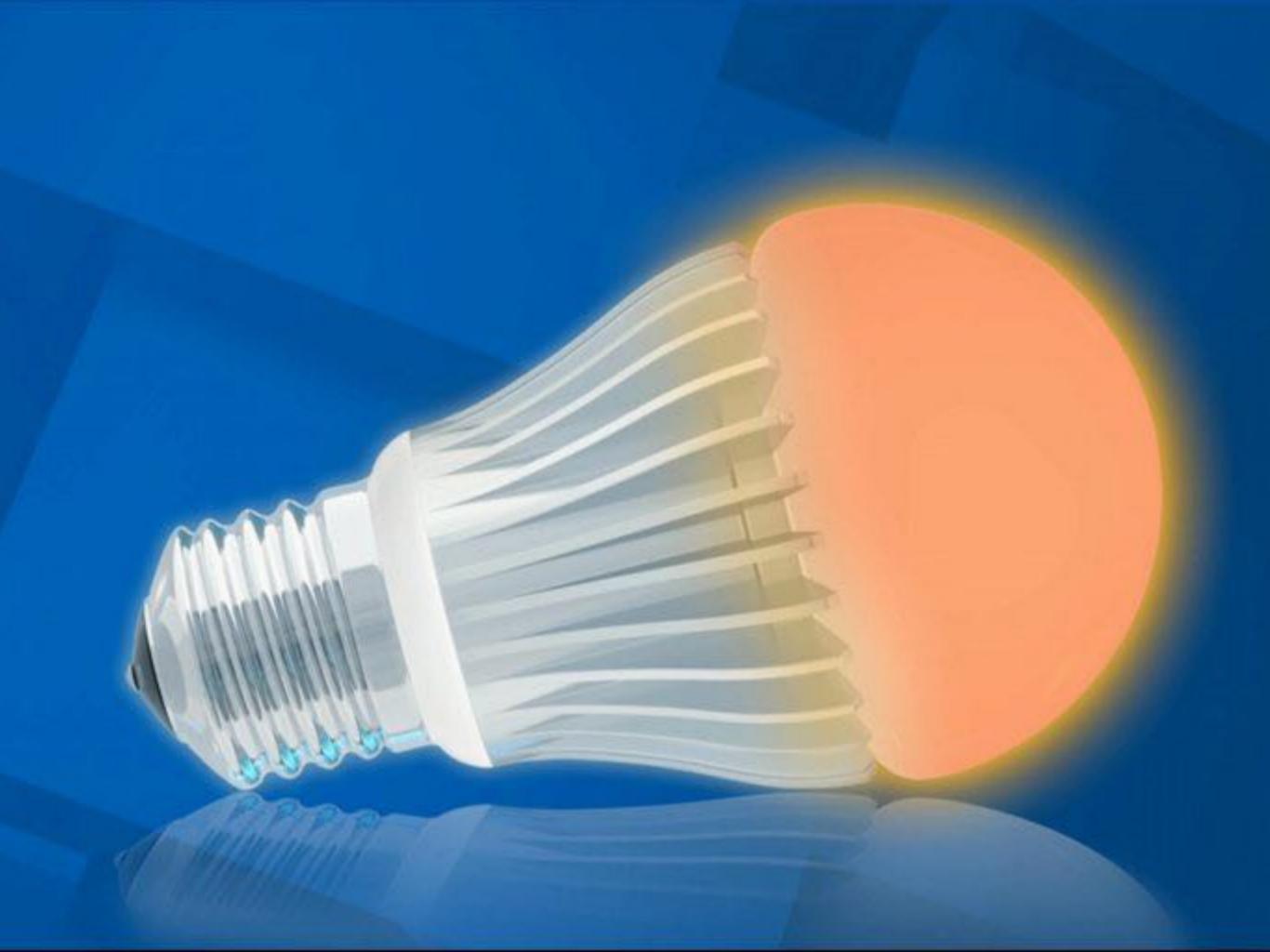
41%















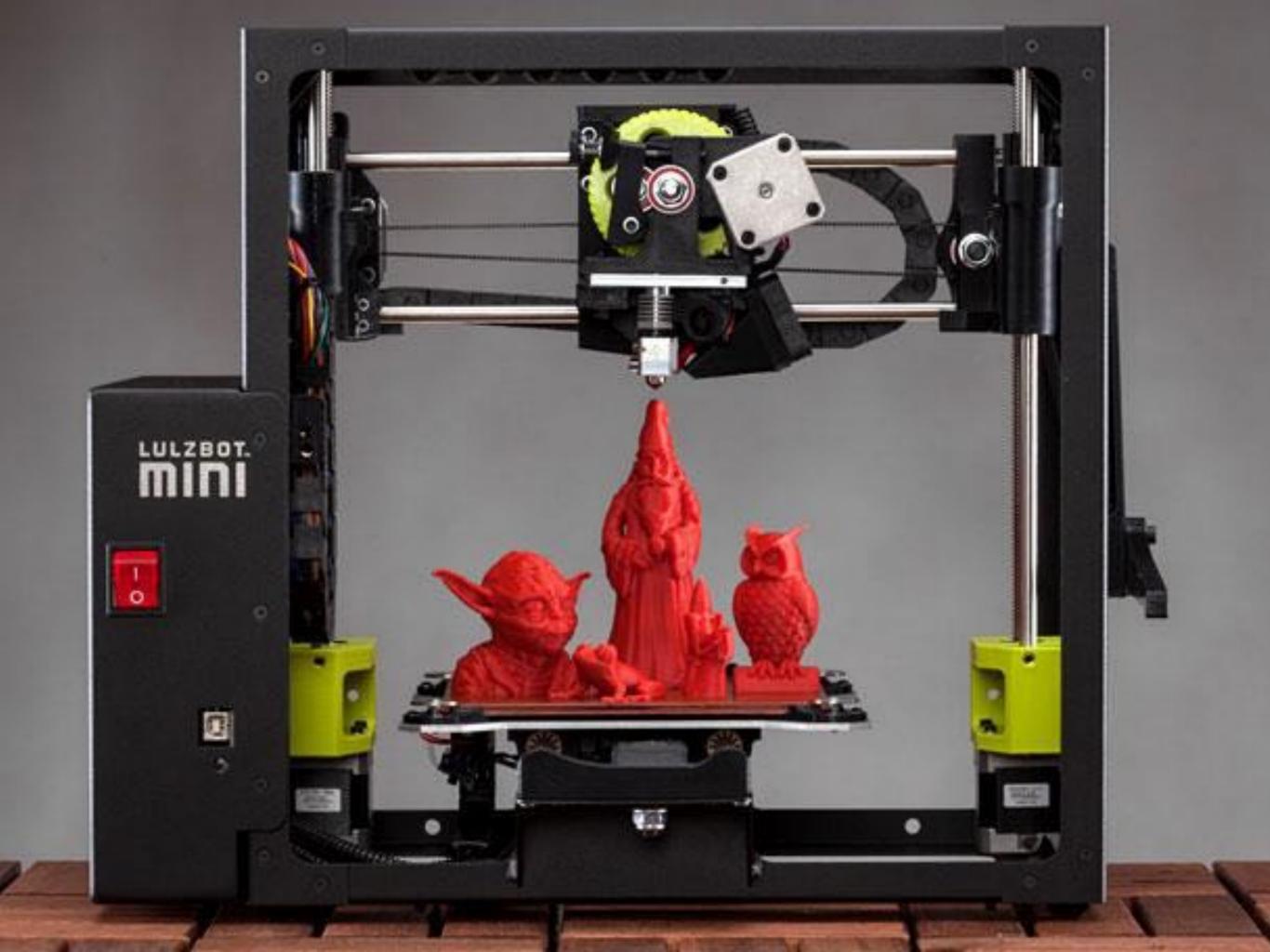










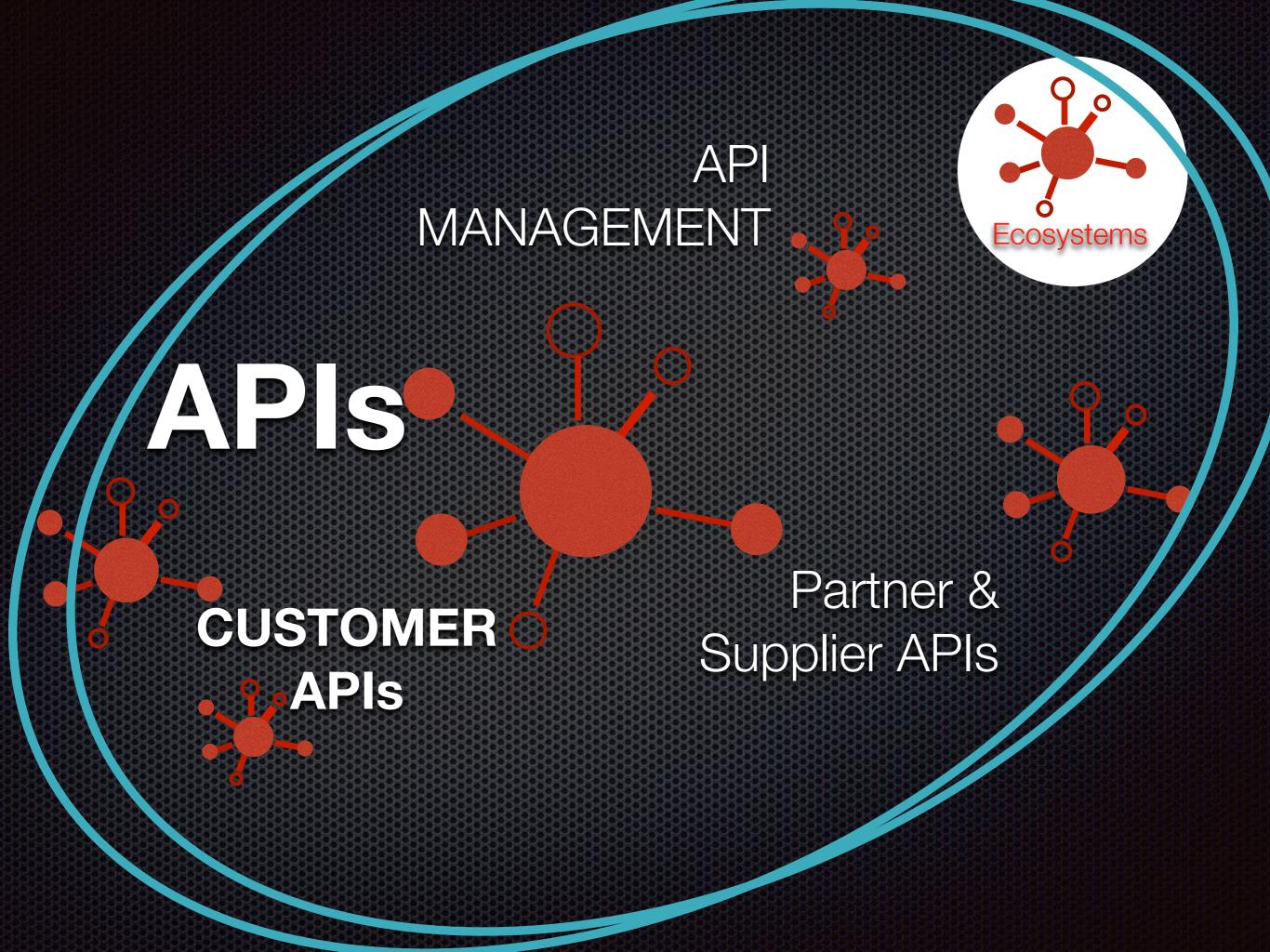






ECOSYSTEMS

Independent Business networks offering innovation and productivity benefits to members through electronic interchange.



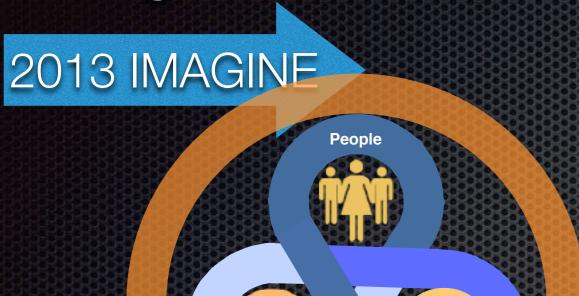


APIs Implement Business Policies in the Digital World





Digital Business



Digital



Nexus of Forces

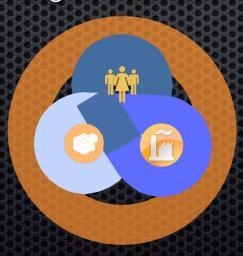
Physical



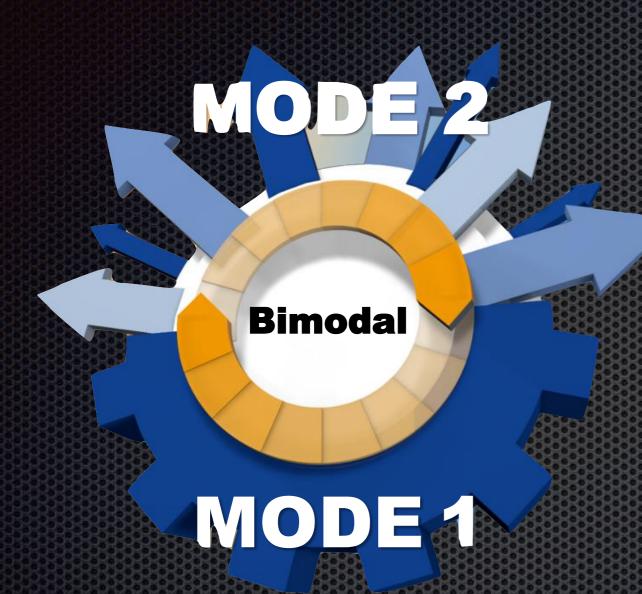
2013 IMAGINE 2014 BUILD

Digital Business





Bimodal Business



Bimodal is the practice of managing two separate but coherent styles of work: one focused on predictability; the other on exploration.

2014 BUILD

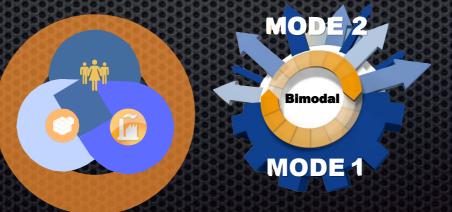
2015 DRIVE

Nexus of Forces

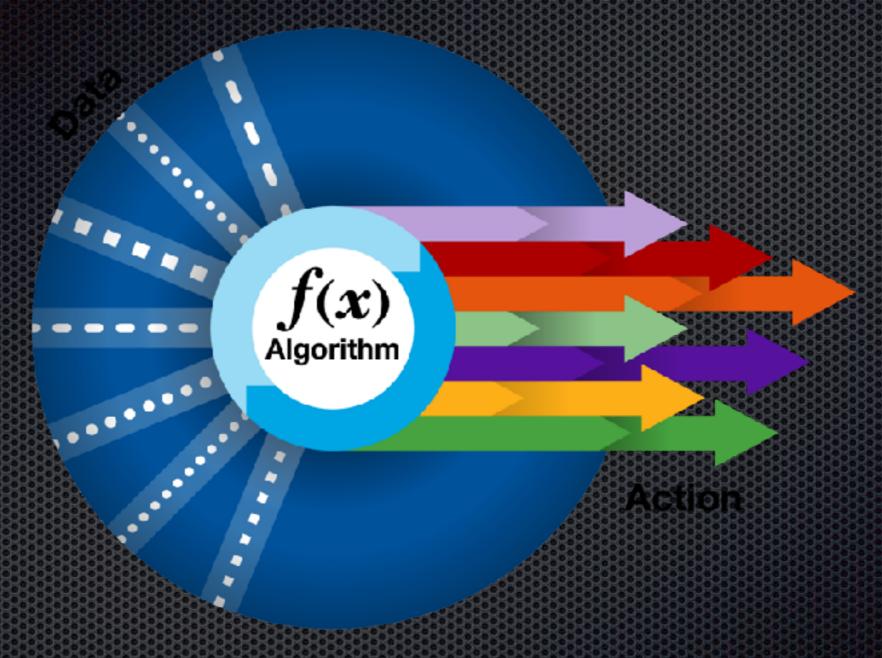


Digital Business

Bimodal Business



Algorithmic Business



2014 BUILD

2015 DRIVE

2016 LEAD

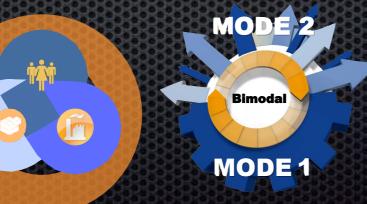
Nexus of Forces



Digital Business

Algorithmic Business

Bimodal Business





Artificial Intelligence



2014 BUILD

2015 DRIVE

2016 LEAD 2017 SCALE

Artificial Intelligence

Digital Business

Algorithmic Business

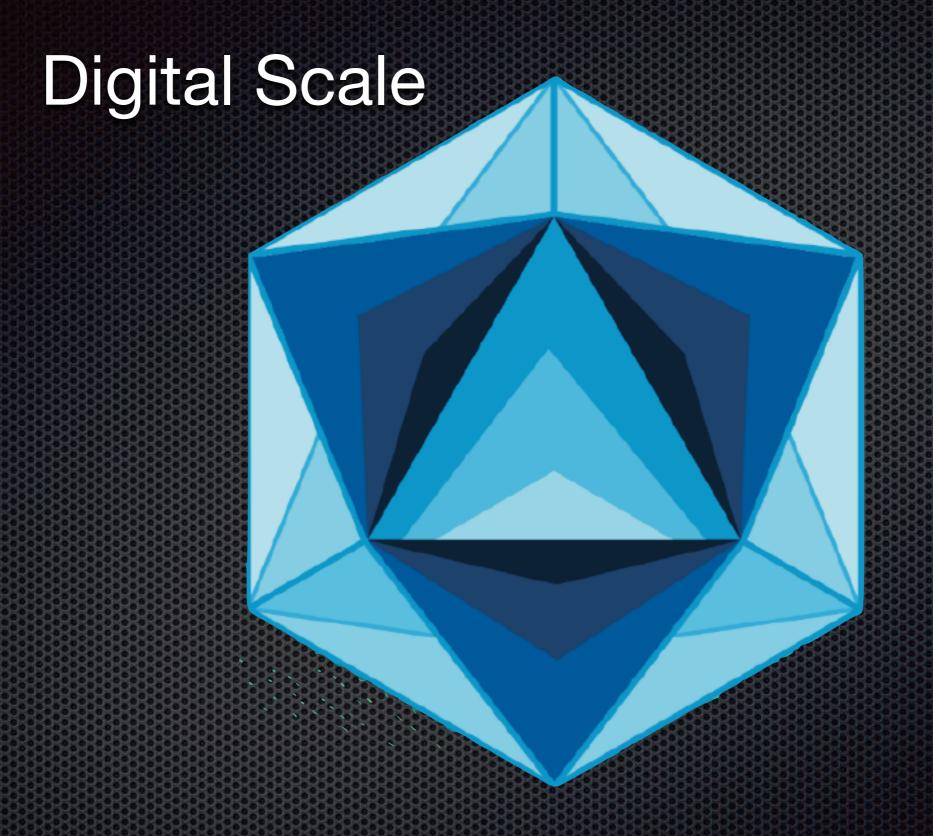












2014 BUILD

2015 DRIVE

2016 LEAD 2017 SCALE

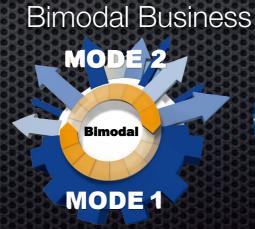
Artificial Intelligence

Nexus of Forces





Digital Business





Algorithmic Business







31101194 decision VISION integ ethic Leadership COMMUNIC motivation influence



LEADING DIGITALLY

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