

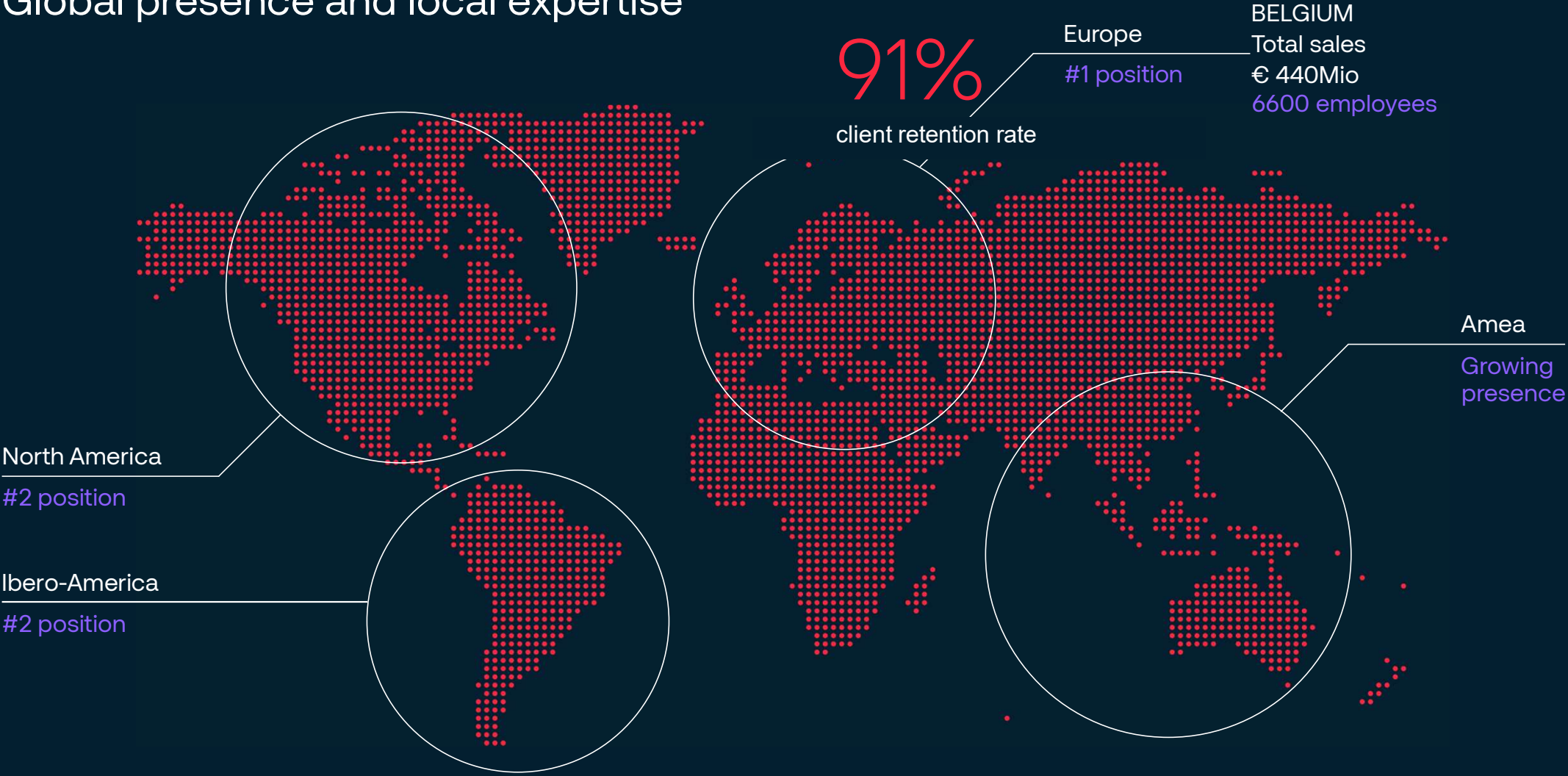
Cybersecurity als deel van strategie

18 Oktober, 2021

Wim Bisschops



Global presence and local expertise



The world has changed

INDUSTRY

1.0

18th century
Mechanical production,
powered by steam

INDUSTRY

2.0

19th century
Mass production, powered
by labor and electricity

INDUSTRY

3.0

20th century
Automated production,
using electronics and IT

INDUSTRY

4.0

Today
Intelligent production,
with IoT, cloud and big data



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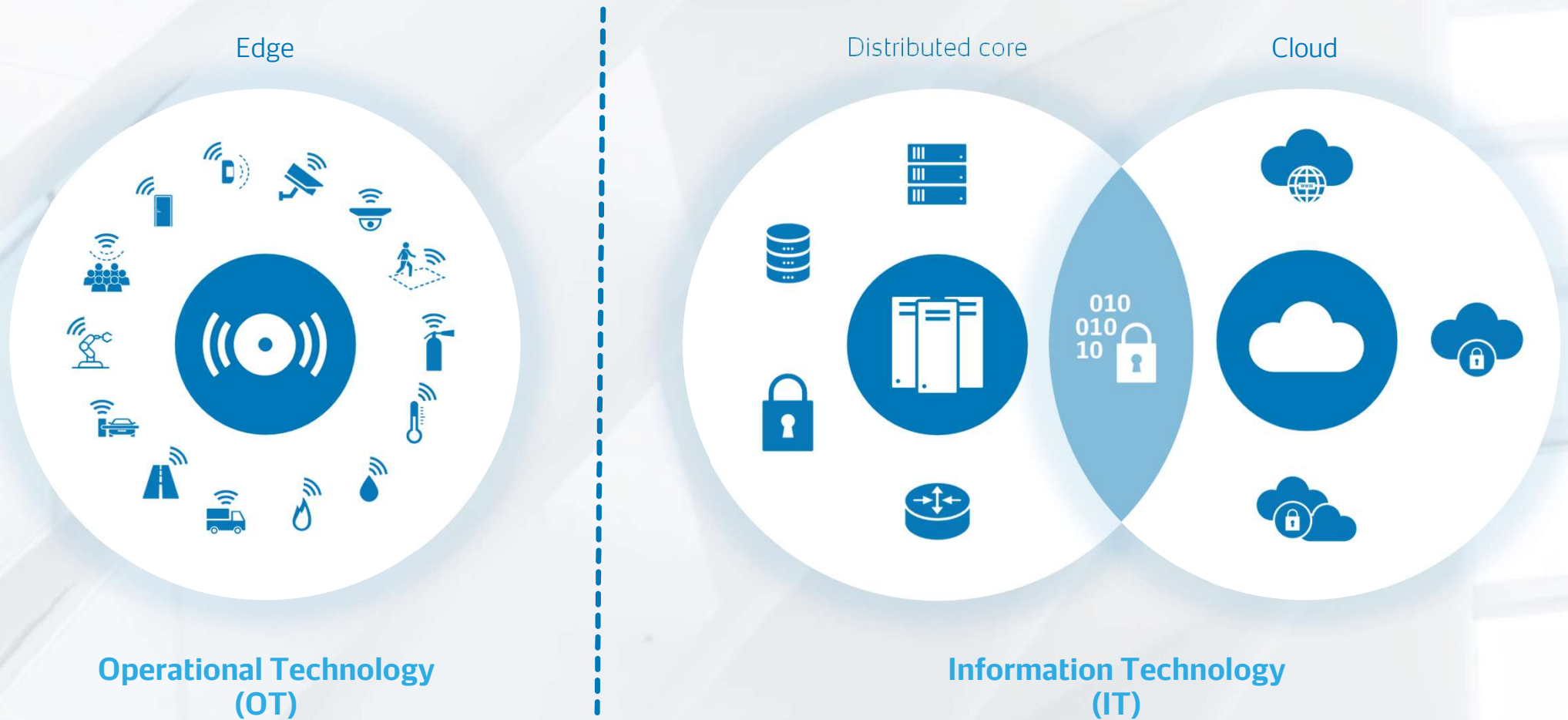
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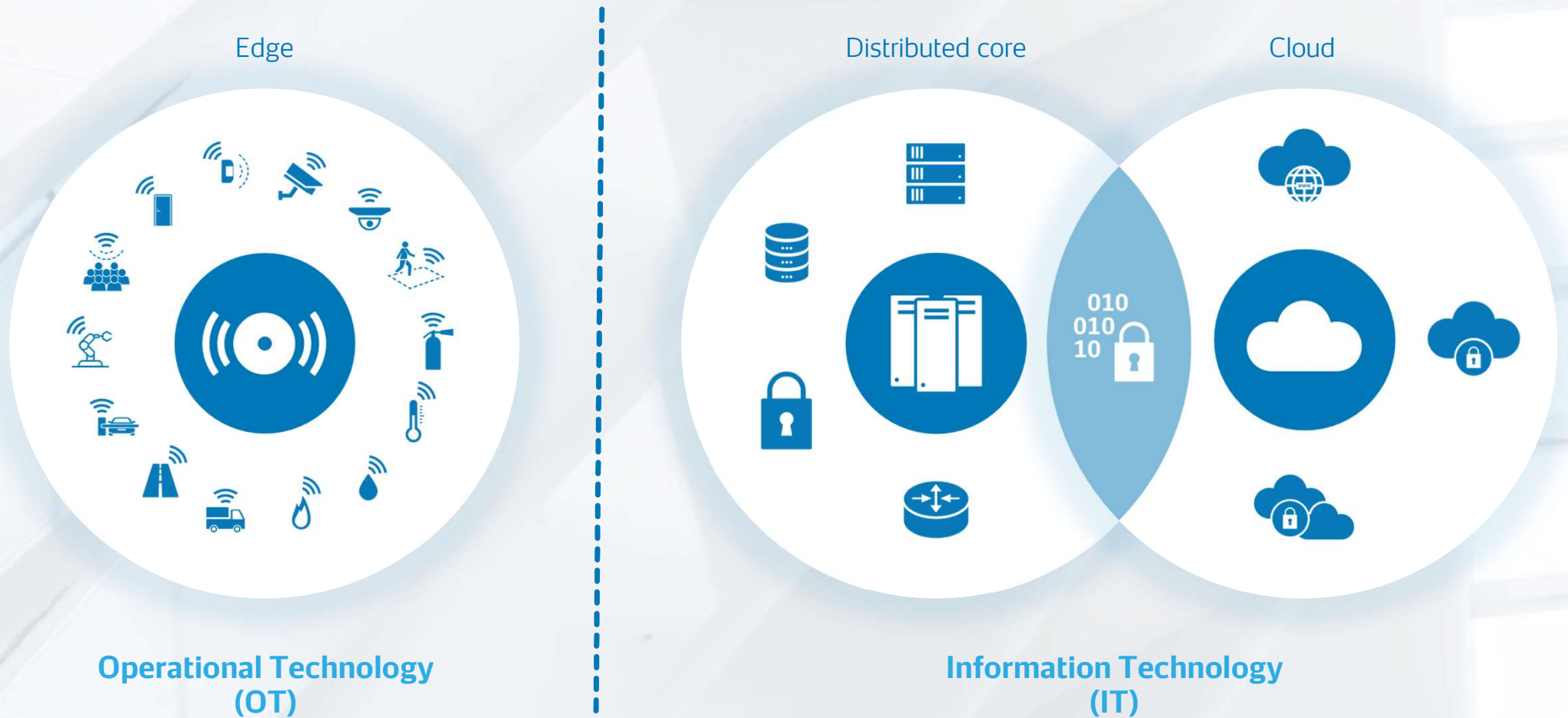
SECURITY
4.0

Today
Intelligent production,
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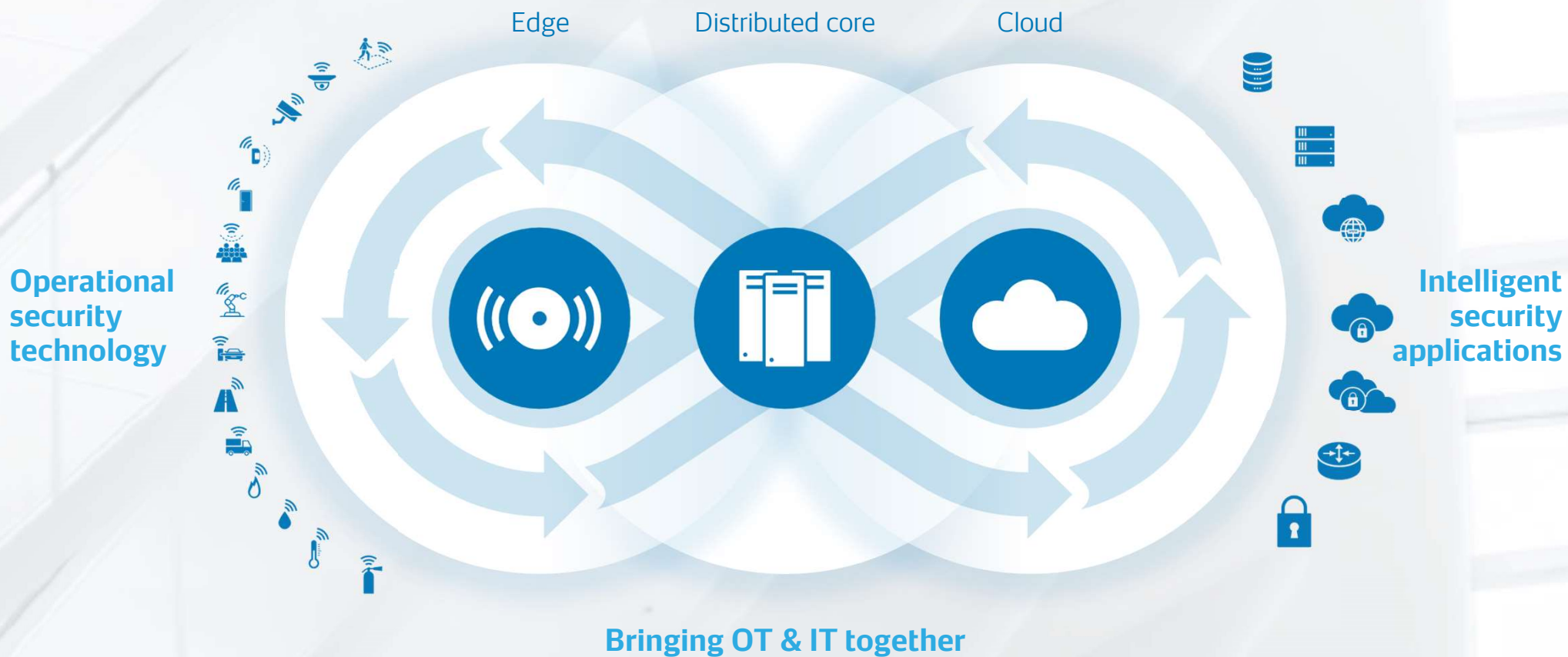
Converging world & technologies



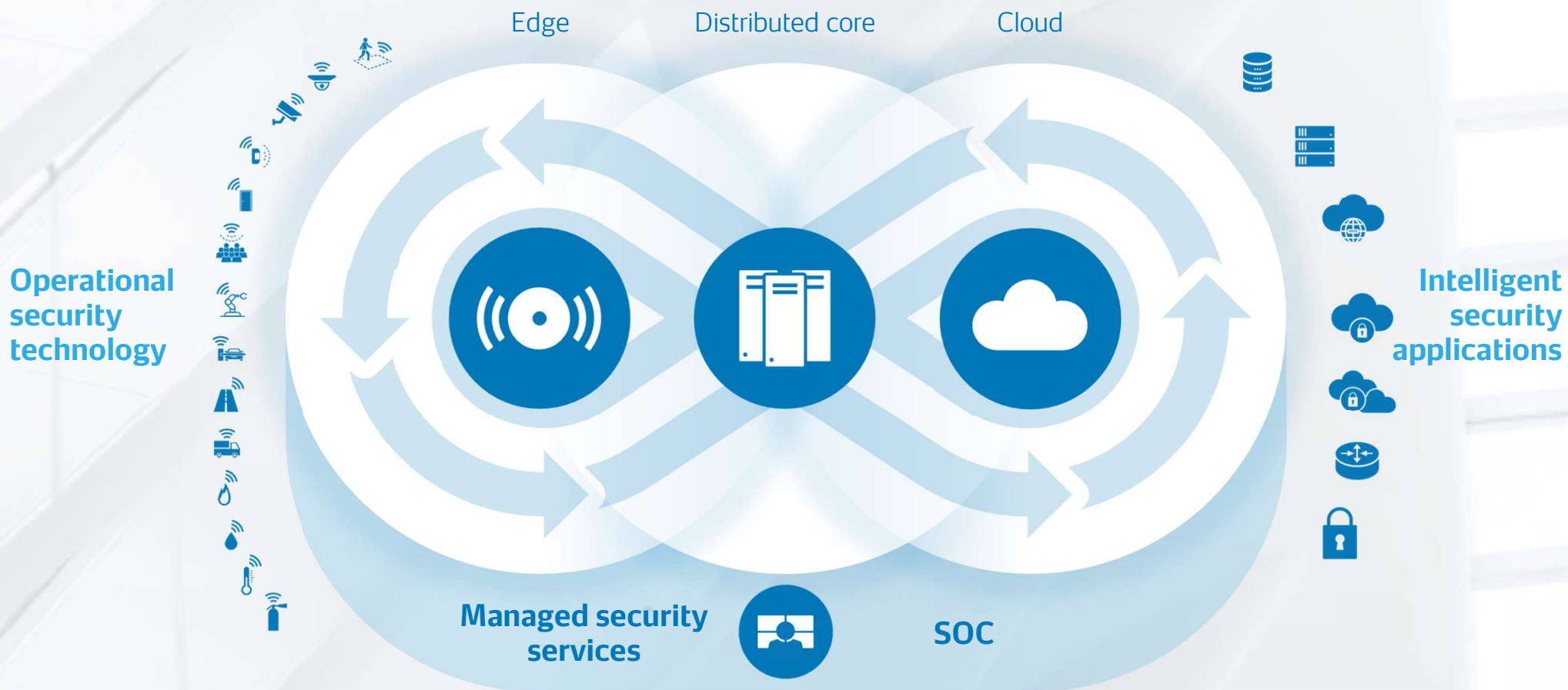
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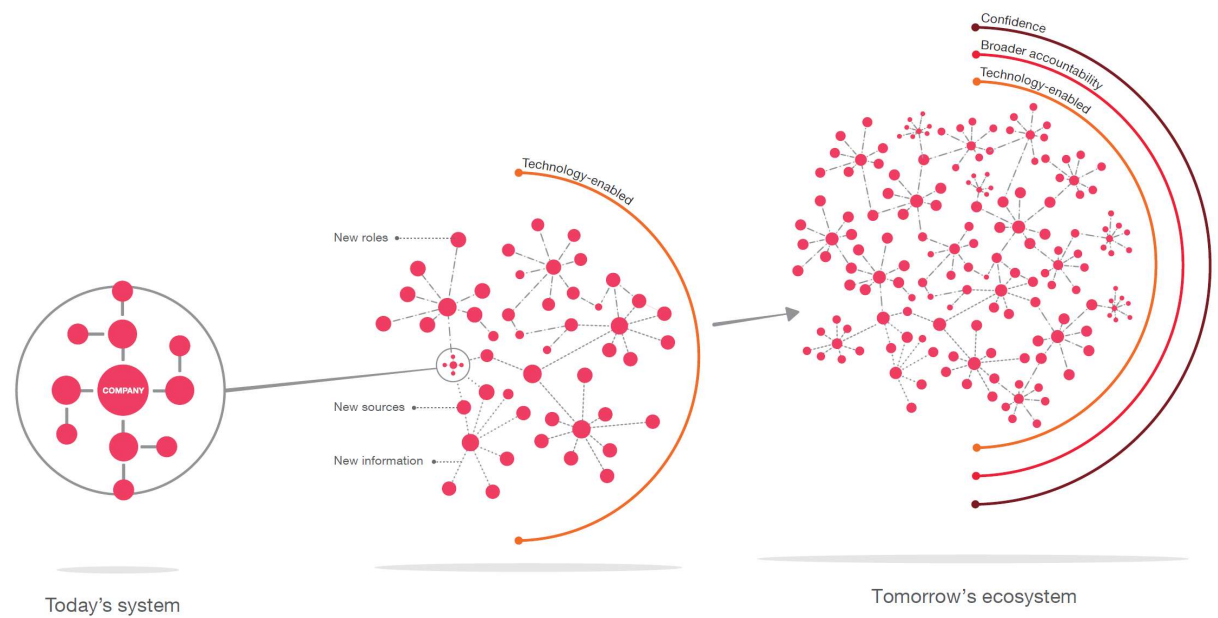
Converging world & technologies



Converging world & technologies



The evolution towards a new eco-system



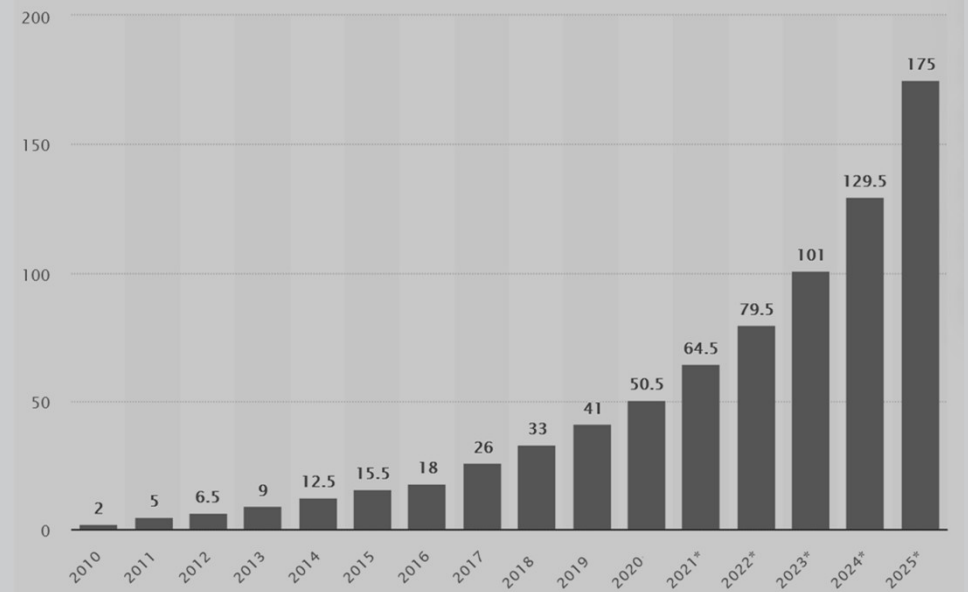


Welcome to our connected world

All the data of the world



Data volume in zetabytes

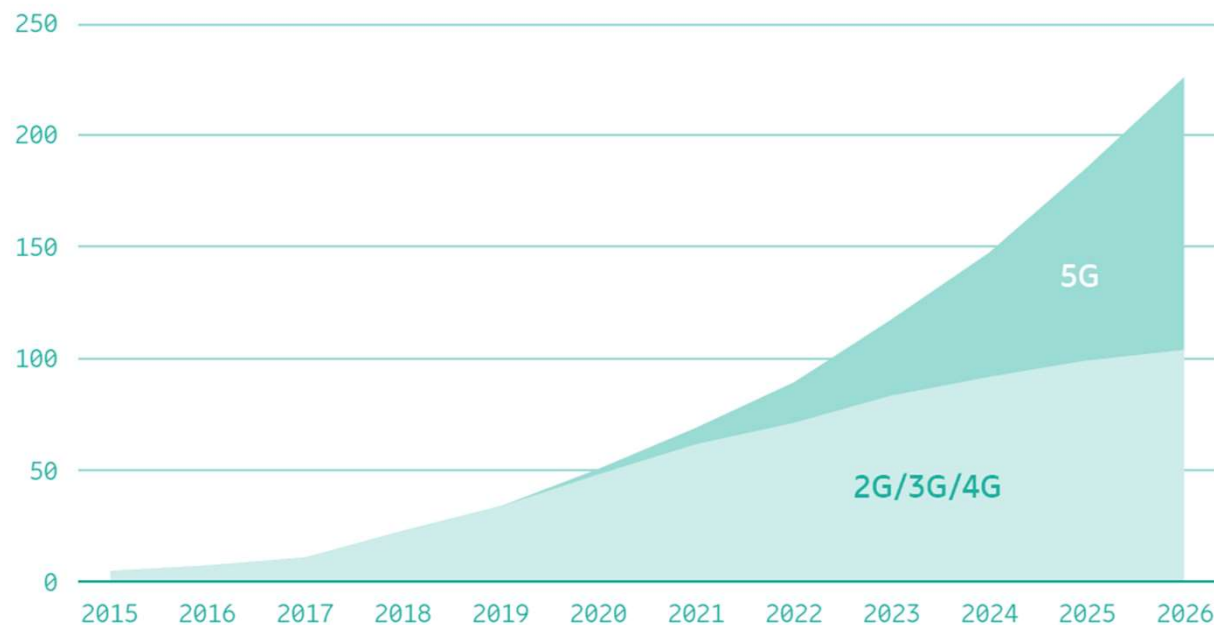


Global mobile data traffic (EB per month)



54%

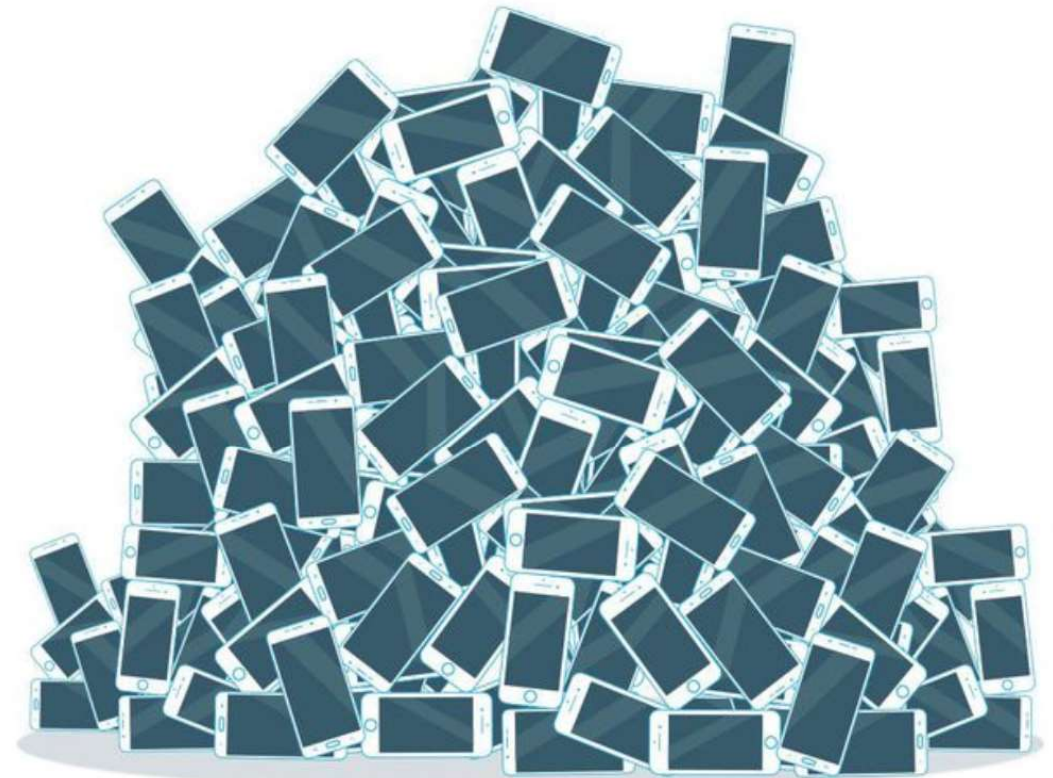
In 2026, 5G will account for an estimated 54 percent of total mobile data



Autonomous car data vs. Human data

In 2023, the average car will process 4000 gigabytes of data per day..

while the average internet user will process 1.5 gigabytes...



1 autonomous car = 2,666 internet users

IoT Adoption is Soaring the Enterprise



ENTERPRISE SEGMENTS WITH HIGHEST USE IN 2020



Utilities

1.37B

IoT endpoints in 2020



Physical Security

1.09B

IoT endpoints in 2020

ENTERPRISE SEGMENTS WITH LARGEST GROWTH IN 2020



42% Building Automation



31% Automotive



29% Healthcare

Security is a Cause for Concern

98%

of all IoT traffic is unencrypted, exposing personal and confidential data on the network.

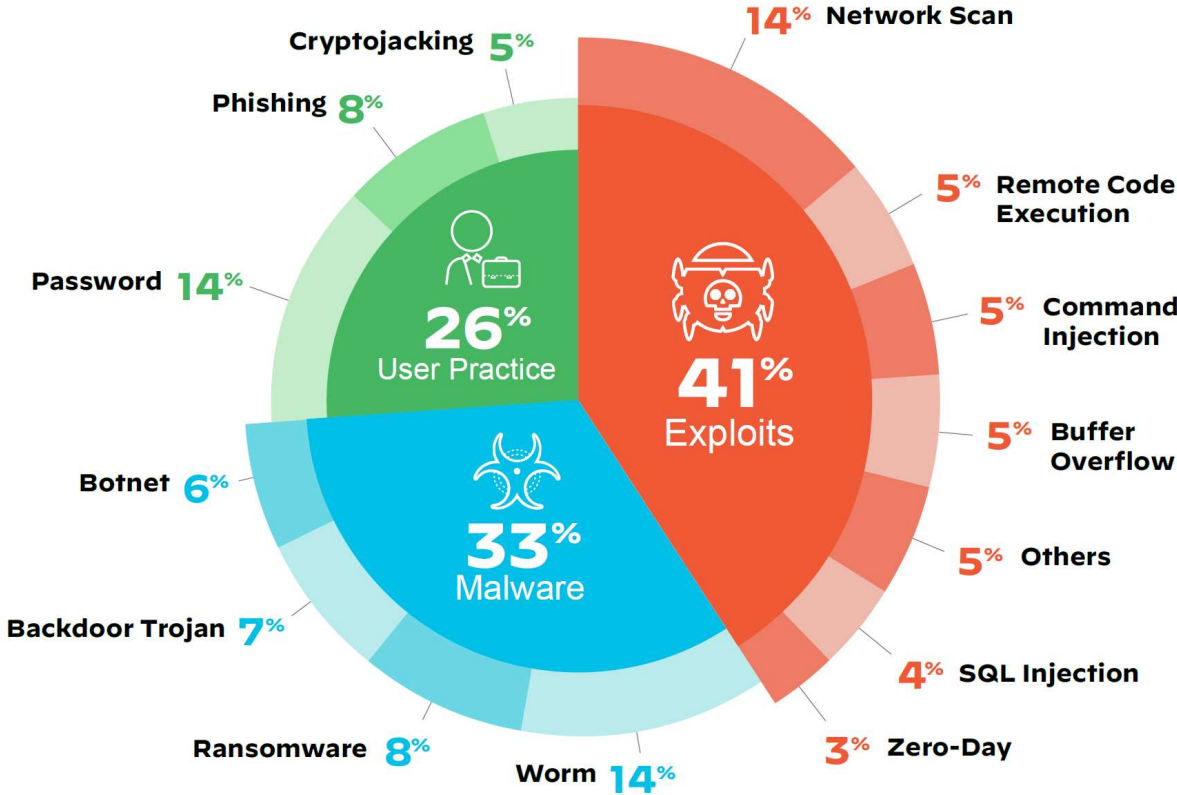
57%

of IoT devices are vulnerable to medium- or high-severity attacks, making IoT the low-hanging fruit for attackers.

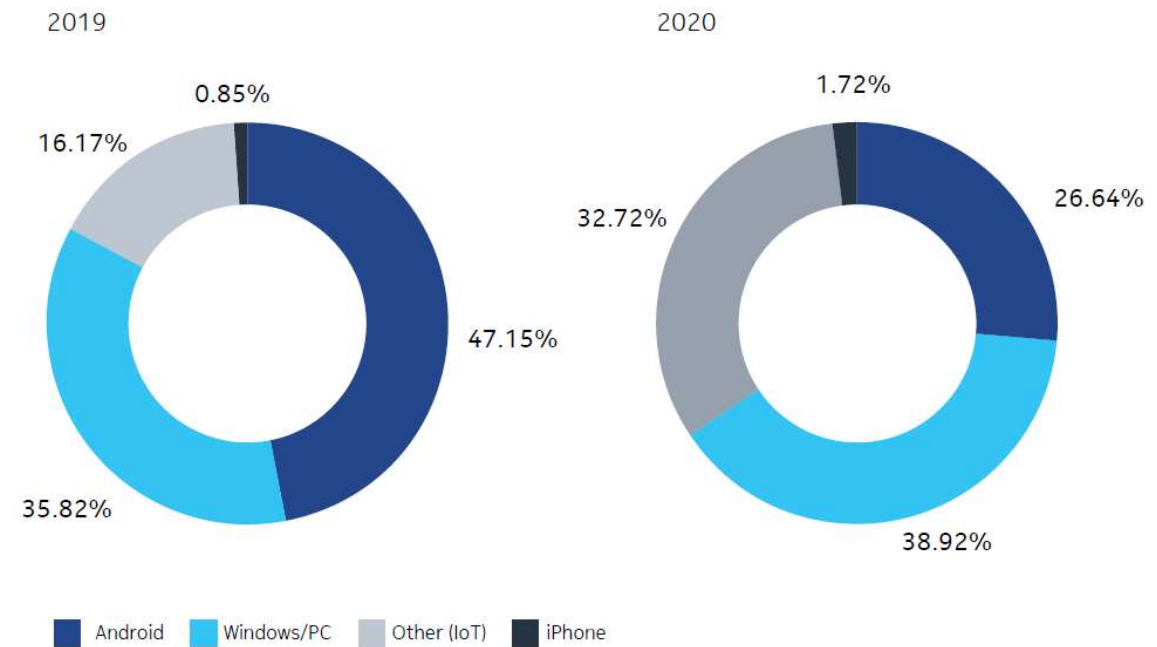
83%

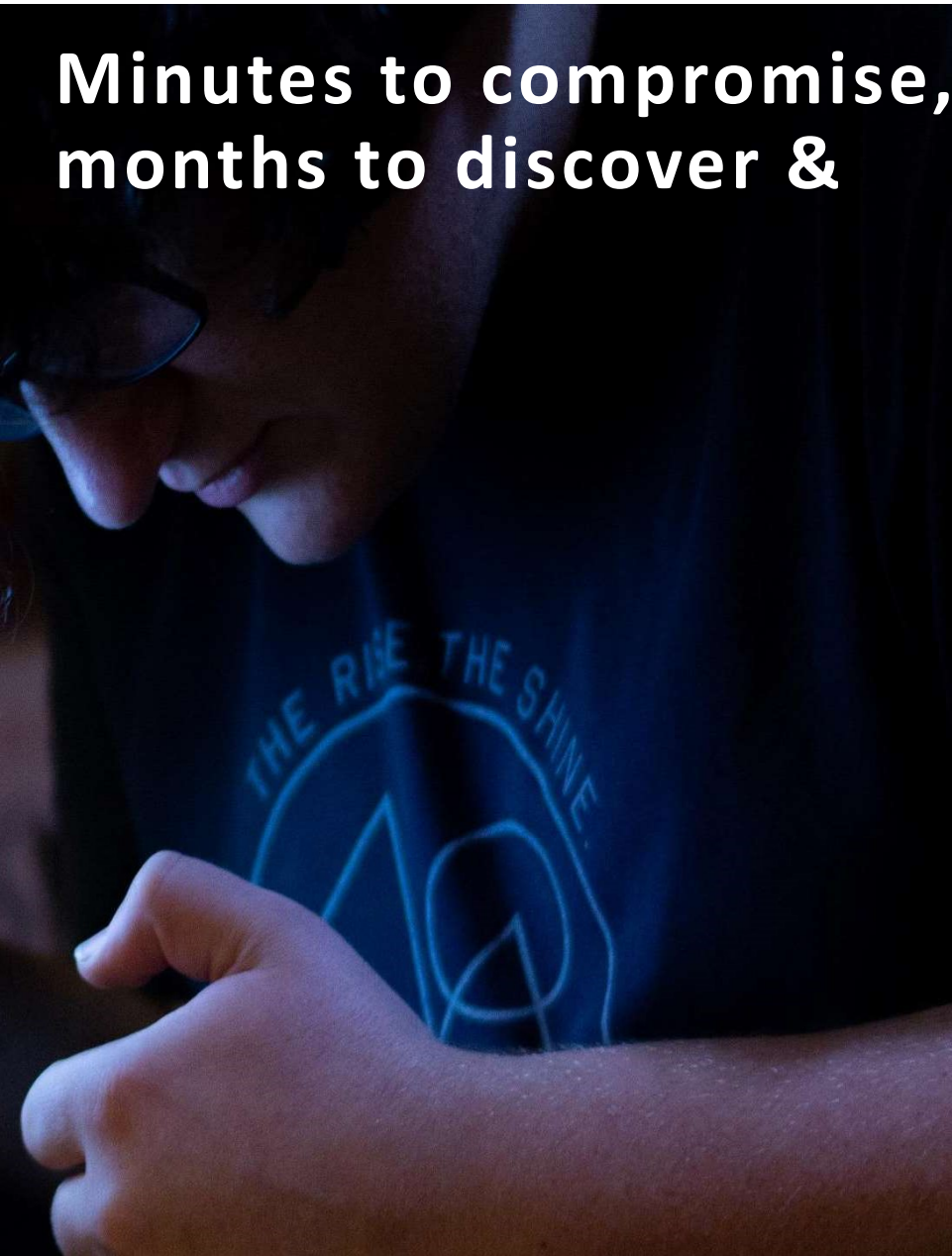
of medical imaging devices run on unsupported operating systems—a 56% jump from 2018

Breakdown of Top 3 IoT Cyber Threats

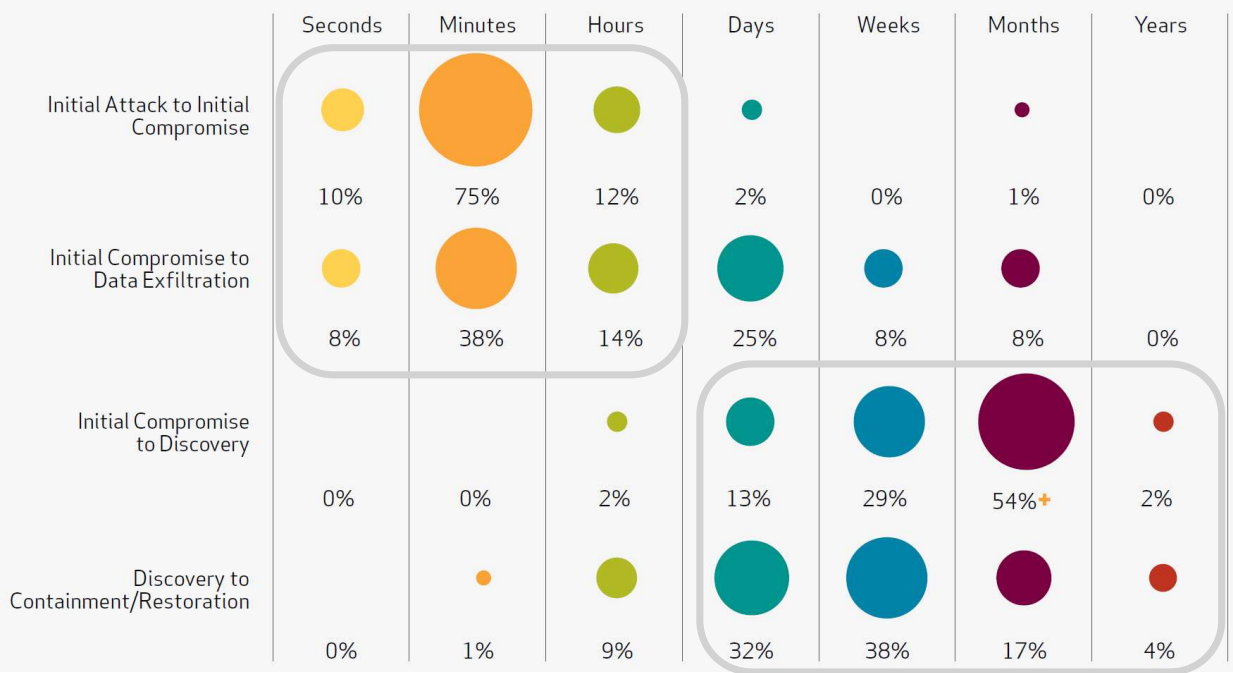


Infected device breakdown in 2019 & 2020






Minutes to compromise, months to discover &



Data breaches in figures

Global Averages		Average size of a data breach	25,575 records
Average total cost of a data breach \$3.92M		Cost per lost record	Time to identify and contain a breach
		\$150	279 days
		Highest country average cost of \$8.19 million	Highest industry average cost of \$6.45 million
		United States	Healthcare

ONE HEALTHCARE RECORD

\$50

\$3

ONE SOCIAL SECURITY NUMBER

\$1.50

ONE CREDIT CARD NUMBER

Conclusion

Be prepared for the 4.0 race....



Conclusion

Stay alert!



THANK YOU



Securitas