

Future Digital Cities Today – Power of Why

Sergei Butenko

Head of MDC, North-Eastern Europe



Board Member,
Estonian Government Cloud

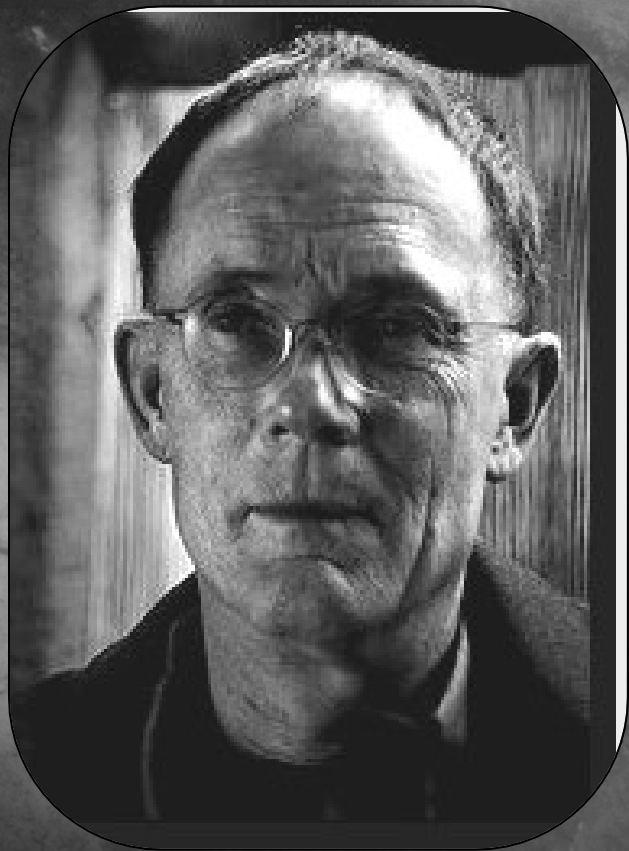


We didnt do anything
wrong, but
somehow, we lost ...



„Digital Transformation“ google trend

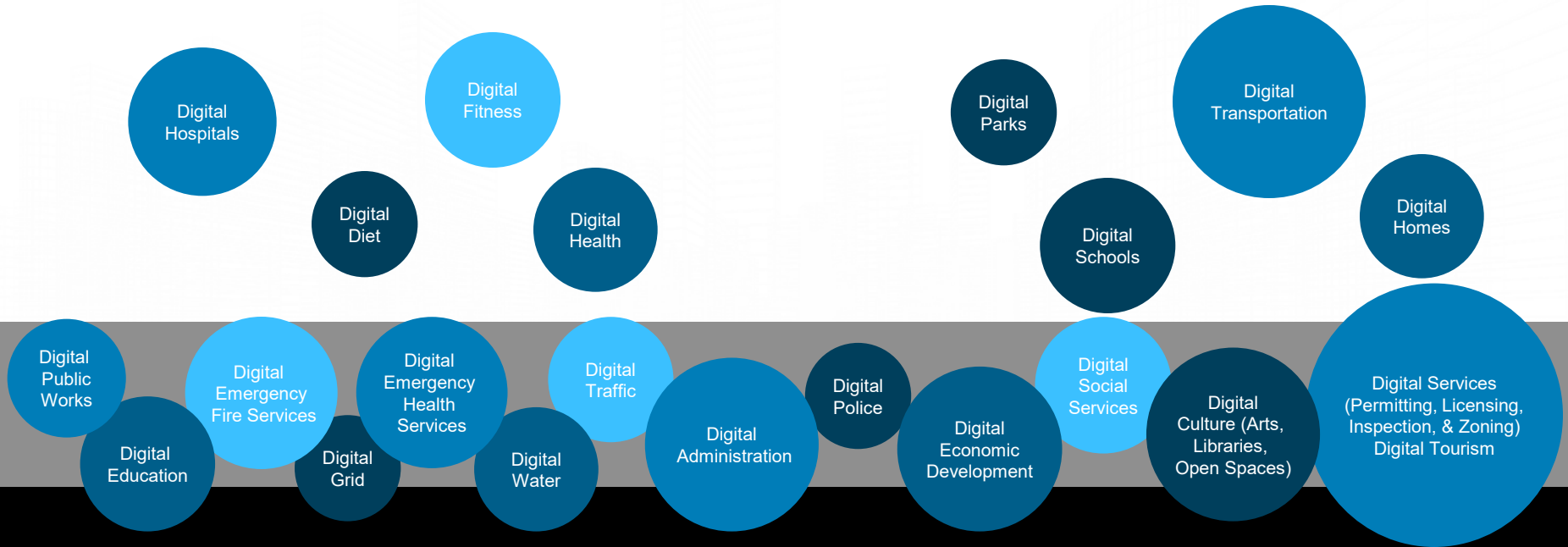




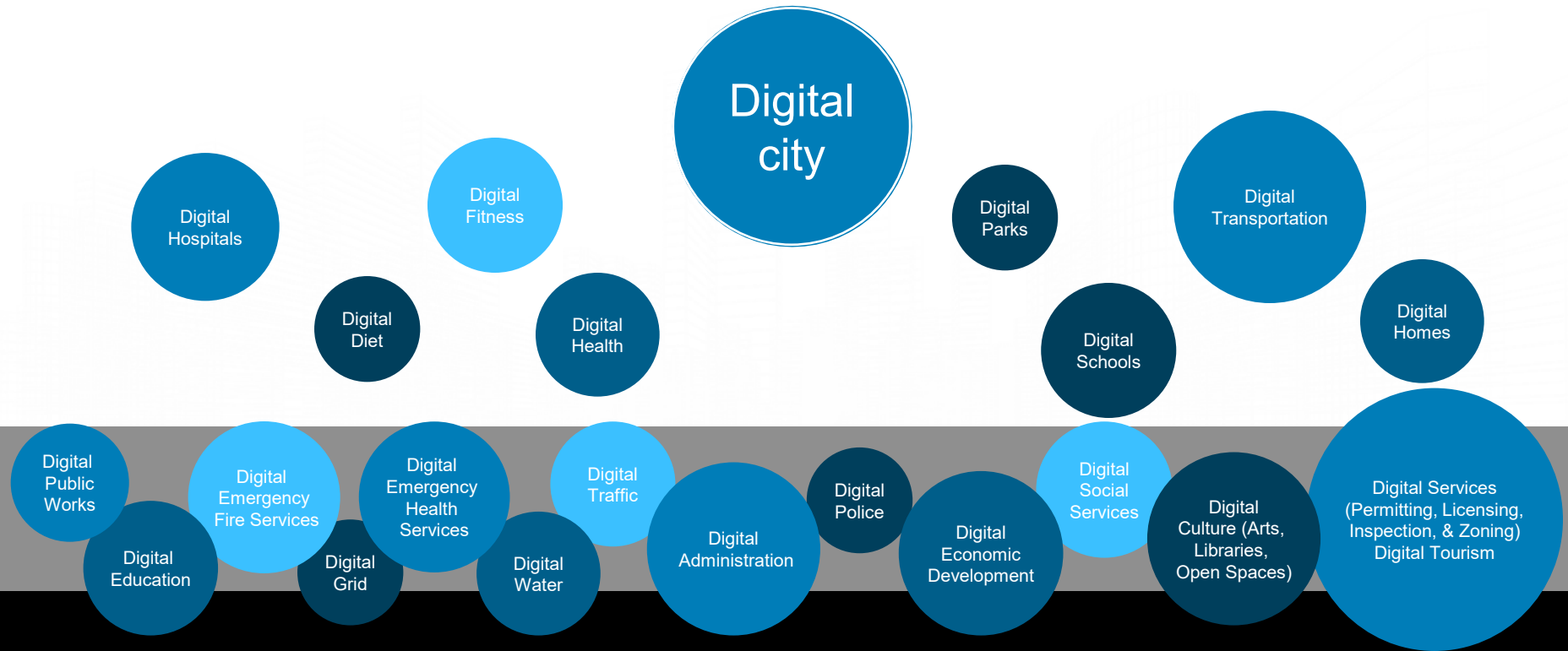
The future is already here—it's just not very evenly distributed.

— WILLIAM GIBSON

Rethink living



Rethink living



Vision for cities of the future



Efficient

Optimized use of city resources



Seamless

Integrated daily life services



Safe

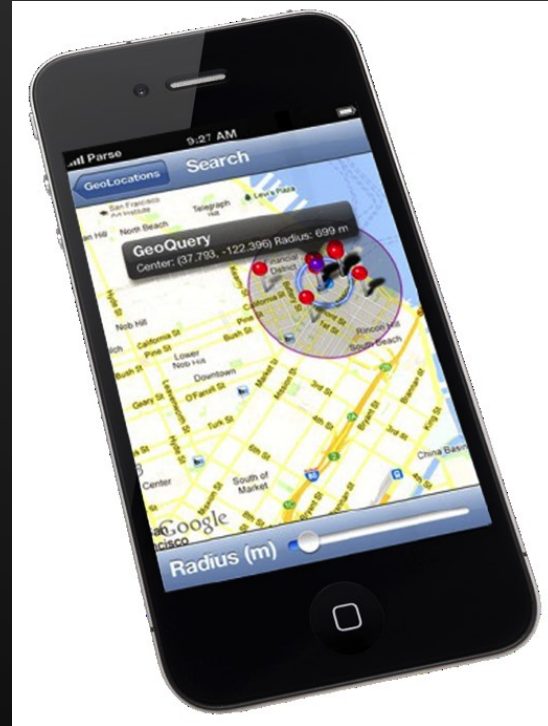
Anticipate risks and protect people and information



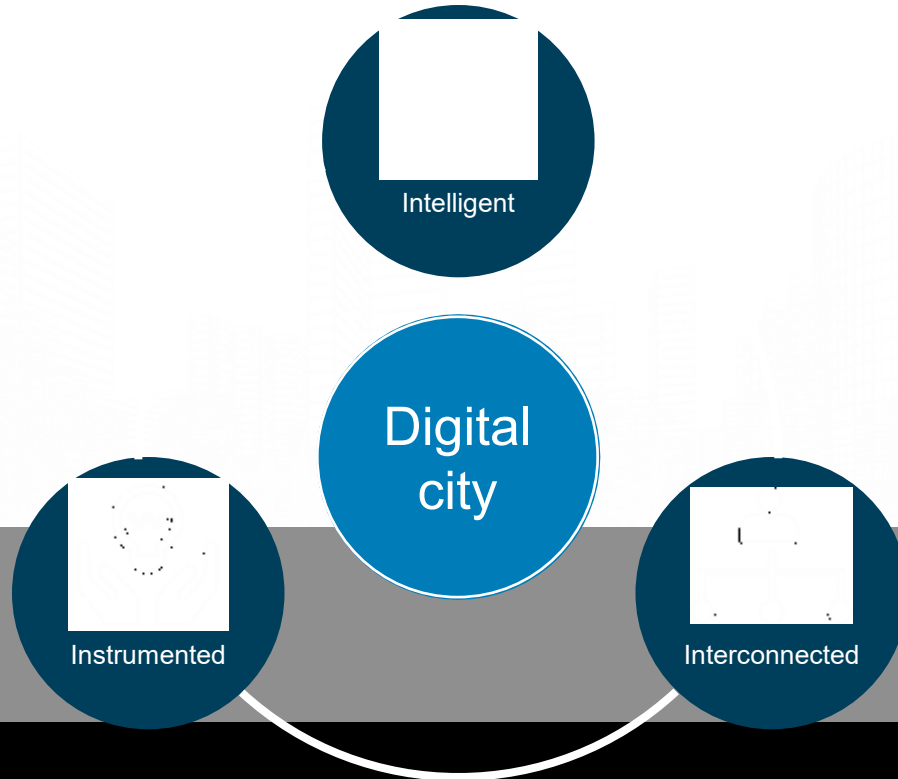
Impactful

Enriched life and business experiences for all

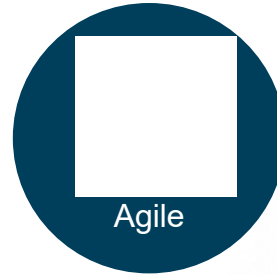
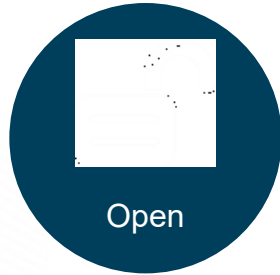
The digital transformation



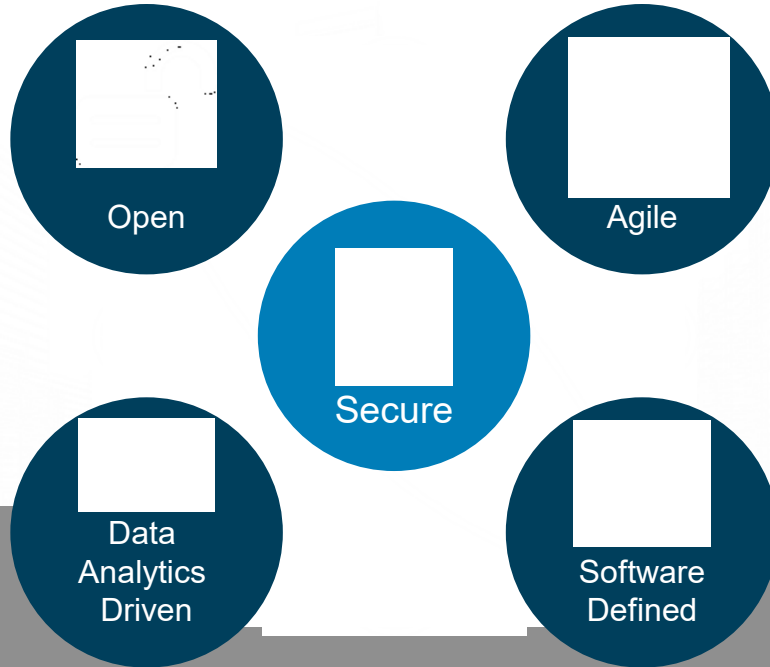
Characteristics of a digital city



Emerging technology trends

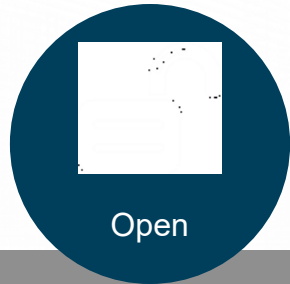


Security embedded

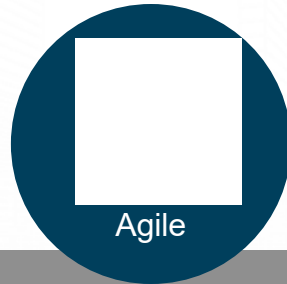


Digital city platforms

Platform of the future



Promote trust, transparency and collaboration by empowering data sharing and crowd sourcing



Accelerate innovation through swift delivery of applications that address evolving municipal challenges and individual needs

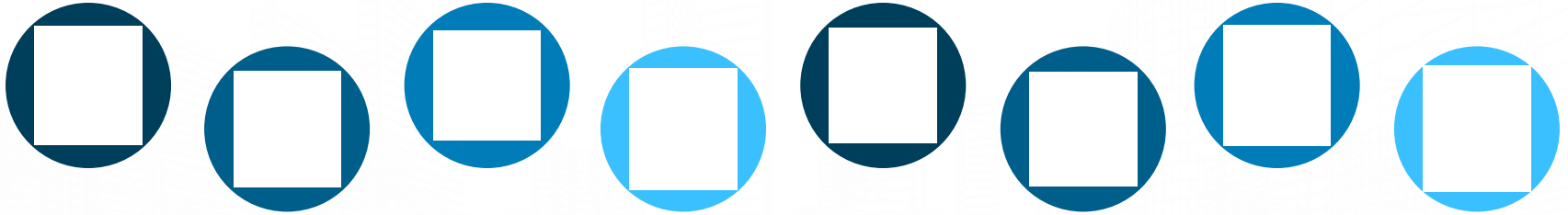


Support growth in urbanization and data consumption through scalable technology architecture based on standardized components



Enable digitaler decisions, cost avoidance, risk management, personalized services and optimal investment in resources

Going all digital



“If you want to come to City Hall, we’ll be there for you.
But if you have to come to City Hall, we’ve failed.”

— CIO of the City of Boston

Guiding principles

Key characteristics of an ideal SCP

Open, extensible and modular

- Independent best of breed modular building blocks vs. monolithic
- Industry open standards based across the stack
- Maximum vendor choices with proven interoperability
- Options to scale up and scale out

Open source-based

- Investment protection
- Wide ecosystem of developers constant innovation

Integrated proven solution-based

- Reduced risk and enhanced availability
- Faster time to value
- Lower TCO

Component Approach

Proven Solution Architecture

Architecture and Sizing

Architecture is flexible
Sizing will required integration and testing

Integrated, tested and validated by Dell Technologies
Following Dell EMC best practices

Integration

Engineering and solution integration effort increase
time to market and adds risk

Based on proven solution and Dell EMC Reference
architectures that are validated and repeatable

Predictable Outcome

Requires time and effort and subject to project risk

Pre-defined, tested and validated
Ready for extended options and functionality

Maintainability and Sustainability

Upgrade each component with higher cost
interoperability testing and validation
Result in system outages

Upgrade the solution that has been fully tested and
validated with predictable outcomes
Fully tested and certified integrated code release

Time to Value

Slower

Faster

Solution Support

N/A

Full seamless support

Solution Integration

Unknown

Based on proven solution and Dell EMC Reference
architectures as demonstrated to the city in the PoC

Traditional

New

IT INVESTMENTS \$

2000

2015

2030

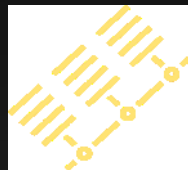
IT Transformation
Optimize IT for the business

Digital Transformation
IT is the business

Digital transformation
requires transforming
three key areas



IT Transformation



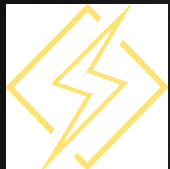
Modernize
data center



Automate
service delivery



Transform
IT operations



All-Flash
Enabled



Scale-Out



Software-Defined

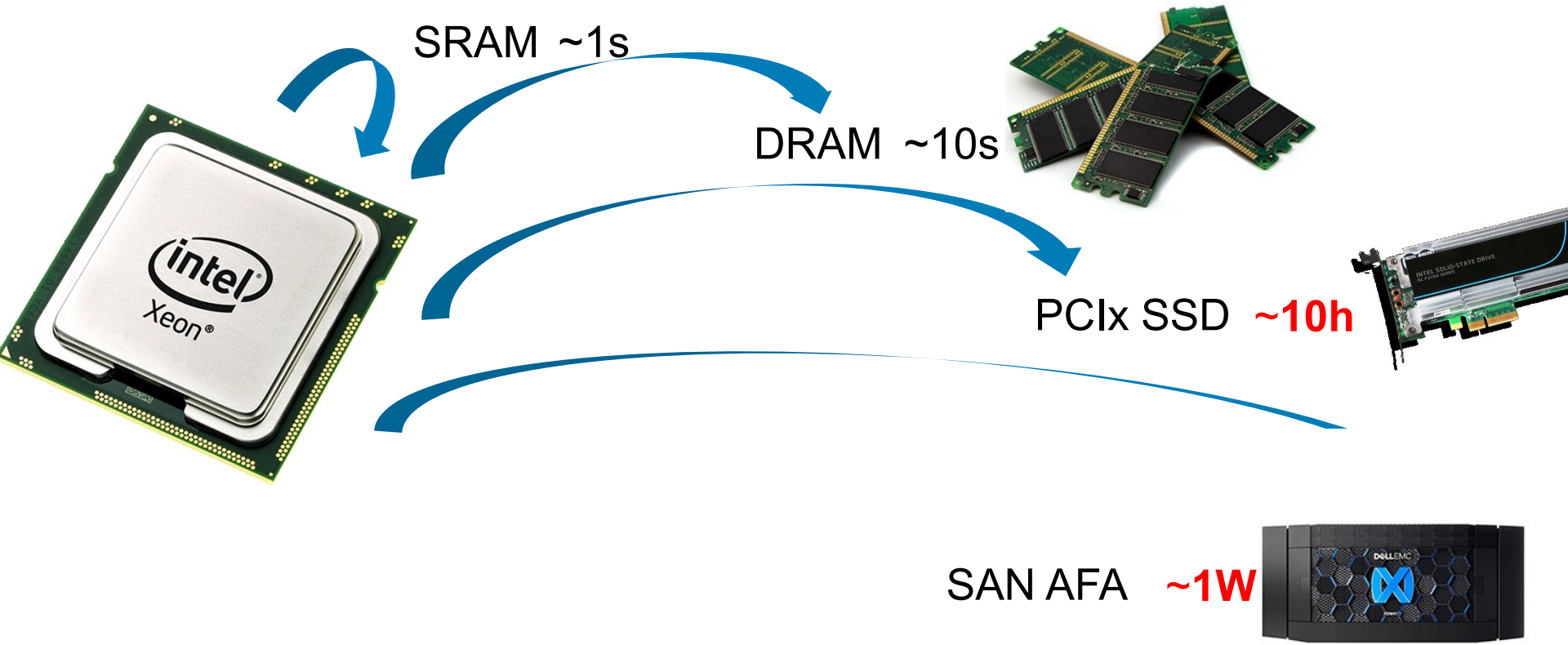


Cloud-Enabled

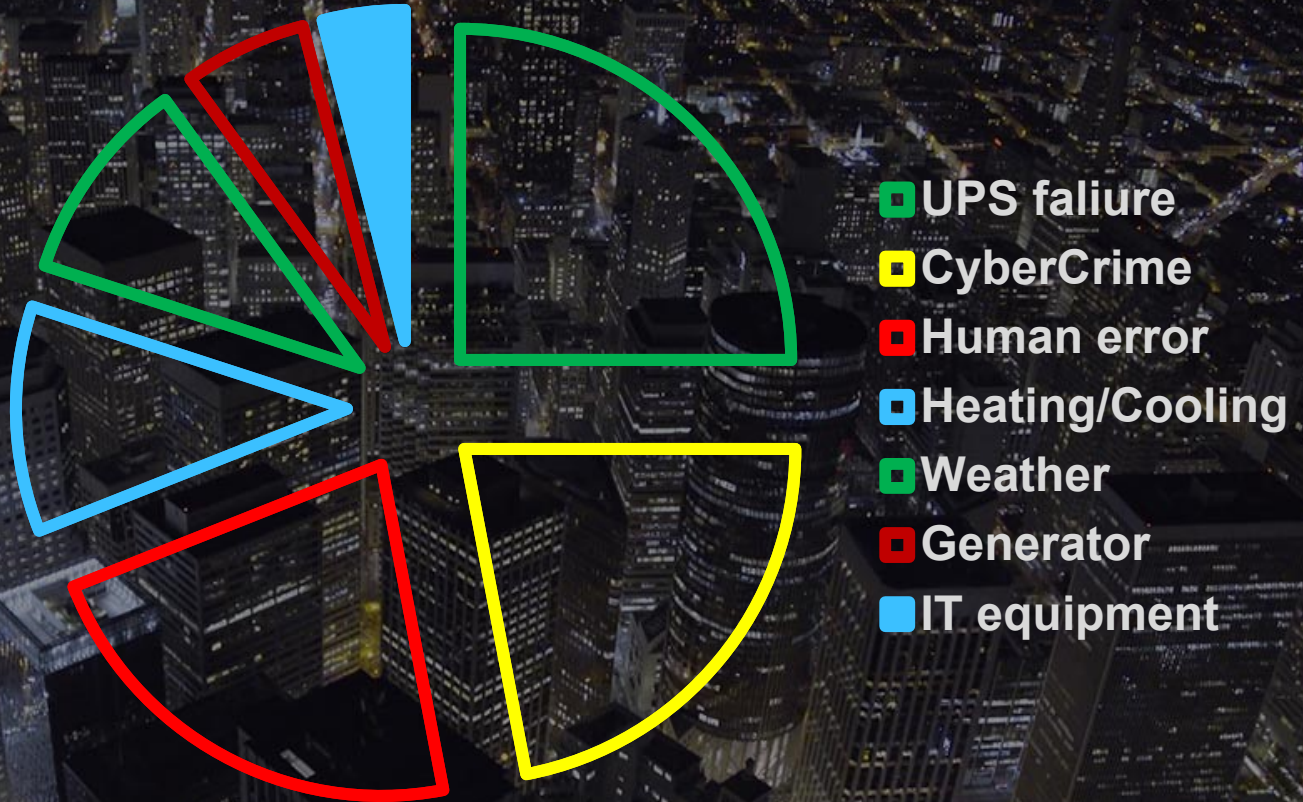
Protection and Trust

Security/Governance | Encryption | Data Protection | Services/Support

MODERNIZE: #FLASH

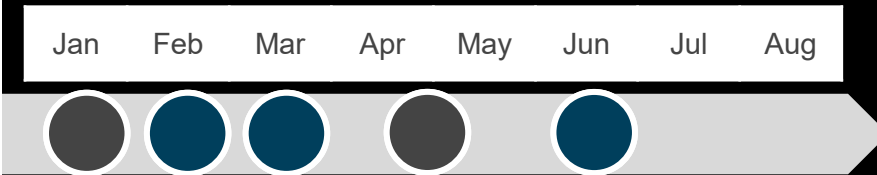


Automate: Be SAFE



Dell EMX VxRail simplifies lifecycle management

as a single software update- no more testing, sequencing, and



Go from one
good known
state to the
next good
known state!

** Example only, not reflective of actual VxRail software packages*



Critical Releases



Maintenance Releases

DELL Technologies



Pivotal

RSA

Secureworks®

virtustream.

vmware®