



Kyiv
International
Economic
Forum

Presentation materials by Philippe Trautmann,
HPC & POD Sales Director, EMEA Hewlett Packard Enterprise

5-6 OCTOBER 2017. KYIV. UKRAINE. CEC PARKOVY
Ukraine and The World in The New Economic Reality



**Hewlett Packard
Enterprise**

**Accelerate innovation in an
age of digital disruption**

We are in a world where everything computes



Technology is embedded
everywhere

Everyone & everything
is connected

Everything
is understood

Digital transformation is disrupting every industry



Transformed already

Newspapers & magazines
Books
Music
Video
Retail
Travel

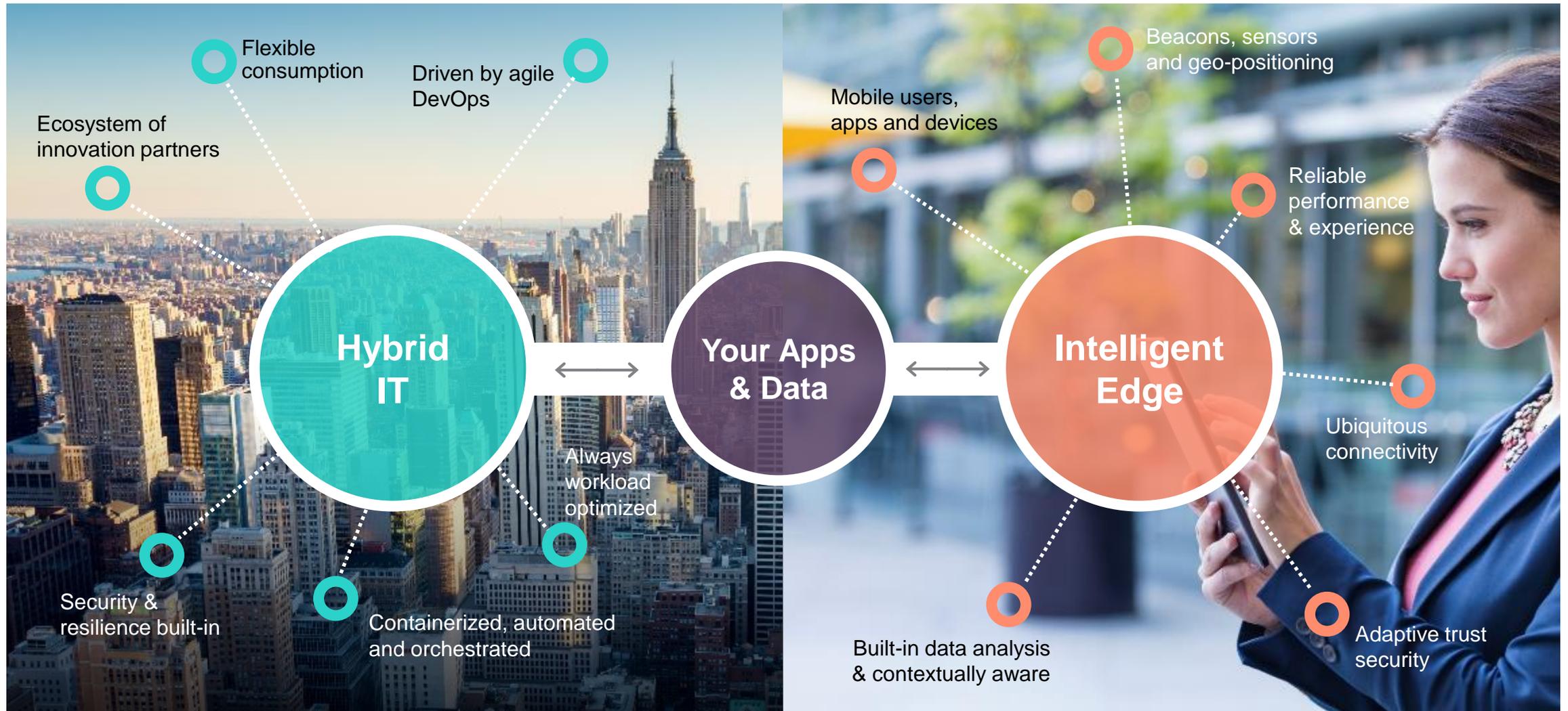
Transforming

Wellness & healthcare
Retail banking
Transportation
Government
Farming
Buildings

Continued evolution

Manufacturing
Insurance
Utilities
Legal
Education
Construction

Accelerating time to value in a hybrid world is priority #1



HPC, big data analytics and AI empower the data-driven enterprise

Simulation and modeling
for science,
research and
business



Deep Learning and Cognitive computing
Pattern recognition
and Artificial
Intelligence



Analysis
of high volume
machine, human
and business data



Managing data
unstructured data;
images, audio and
video, backup and
recovery



World's largest chemical company creates chemistry with HPC

HPE supercomputer enables global digital transformation at BASF



BASF Supercomputer

- Designed to be one of the **world's largest supercomputer**
- Drive digitalization of **BASF's worldwide research**
- Shorten modeling / simulation times (**months to days**)
- Solve complex problems while **decreasing discovery time**
- Run virtual experiments to **reduce time-to-market, lower costs**

Key features

- HPE Apollo 6000 Gen10
- > 1 Petaflop using Next Gen platform
- Multitude nodes
- Work simultaneously on highly complex tasks
- Dramatically reduce processing time

“The new supercomputer will promote the application and development of **complex modeling and simulation approaches**, opening up completely new avenues for our research at BASF.”

– **Dr. Martin Brudermueller**, Vice Chairman of the Board of Executive Directors and CTO, BASF



Global Energy Company uses supercomputer to pinpoint 200 million-barrel cache

Supercomputer for energy exploration

- **\$2 billion in recoverable oil** in 7,000 feet of water 150 miles from the coast
- Long obscured by a salt dome, the **oil reserves were revealed by using a supercomputer and mathematical algorithm** to interpret the seismic data in a new way.



2 weeks

and a more accurate model using HPC

VS.

1 year

using traditional analytics methods