

















September 15-16, 2016 The Westin Copley Place · Boston, Massachusetts

BTA





A Vision for The Future of Our Industry



What should we explore?

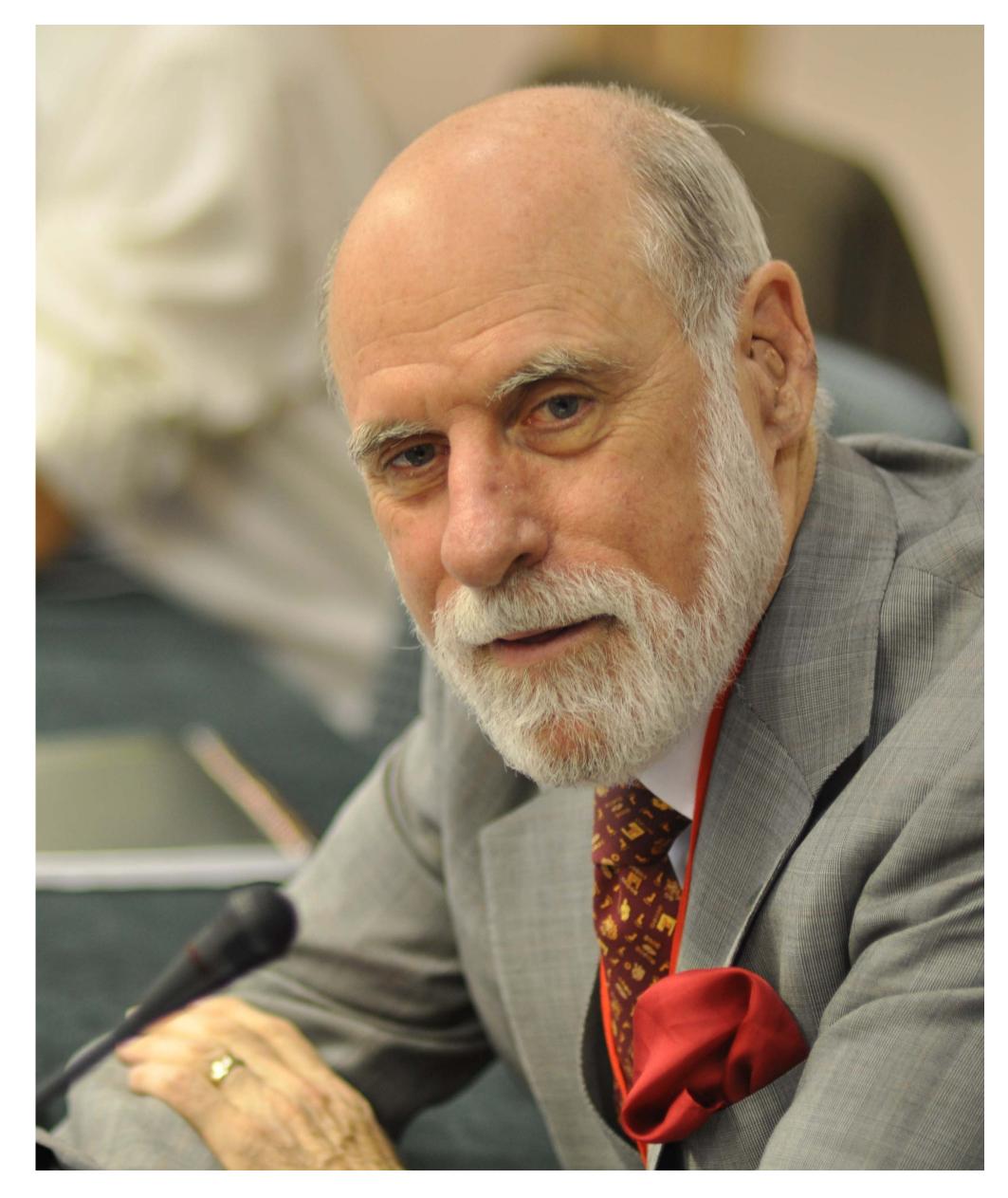
Way out there "stuff Impact coming soon

What is happening right now



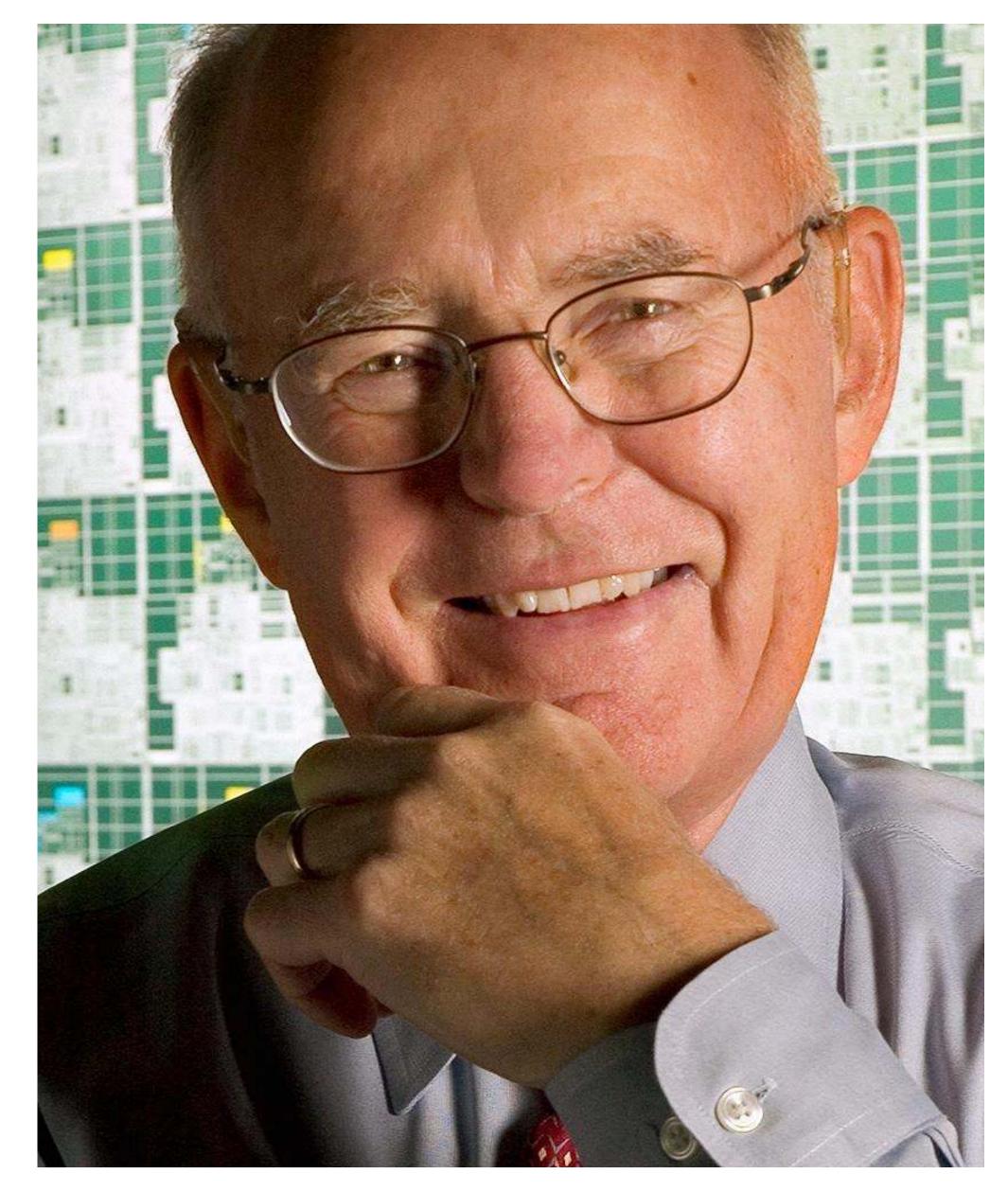
Are we on route to a digital dark age?

Vint Cerf thinks we may.



Moc Jaw, It is the for dation of the information exp sion

But can technology continue to exploit this principle



Let's Cover Some of the Myths

Intel could Clock Higher if they wanted to

- The Death of Moore's Law means the Death of
 Performance Improvement
- Transistor Density can Continue Forever
- A solution is right around the Corner





Graphene



Quantum Dot



Analytics & BI Platforms

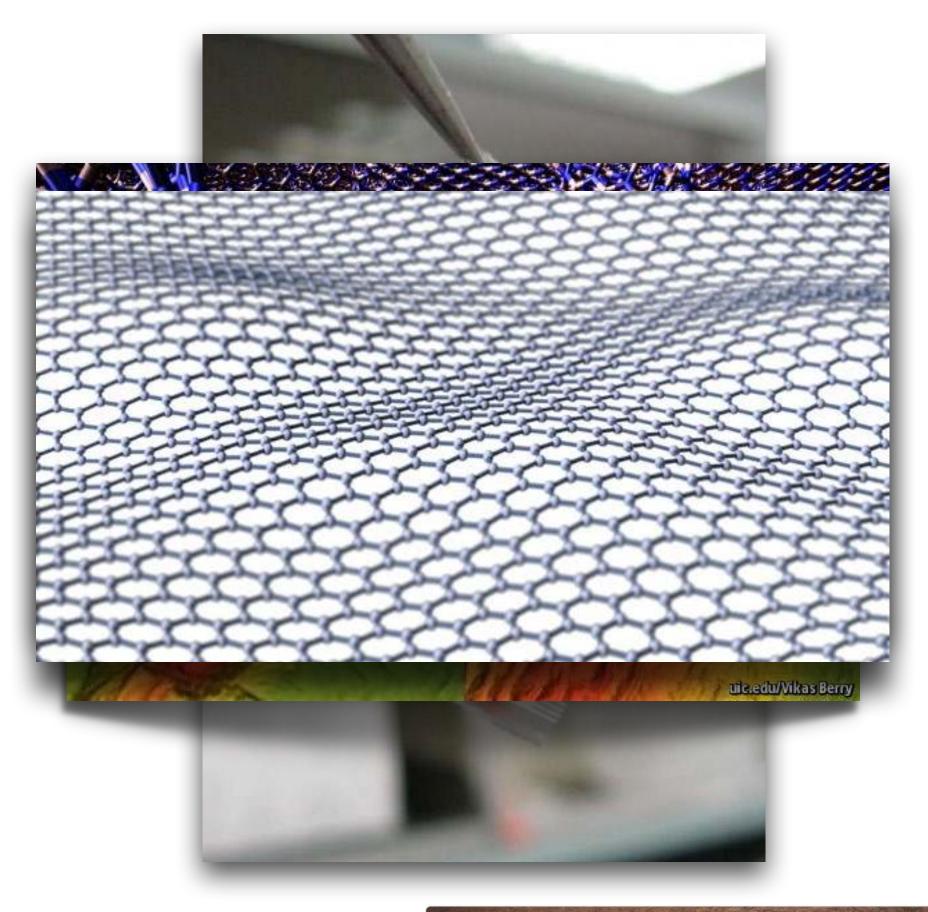








- Unpredictable Circuit Performance
- Flexible
- Versatile
- New forms being developed showing huge promise



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Optical Computing

Computers of the future are likely to make use of the quantum-mechanical properties of materials, or, in other words, the behavior of particles such as atoms and molecules. Such computers are known as quantum computers, and optical computers are considered to be one of them. Optical computers would process data at ultrahigh-speed, making use of the way light particles (photons) spin to the left or right.



Canon Global Research





Developed by Nanosys, a private company owned by Venrock

2 to 10 Nanometers in size (50 atoms)

Higher peak brightness

Better color Acuracy

Better saturation

Can be used to develop up 8K resolution



The Internet of Things **Analytics and BI platforms**

More Users







>15 Billion Connected Devices²

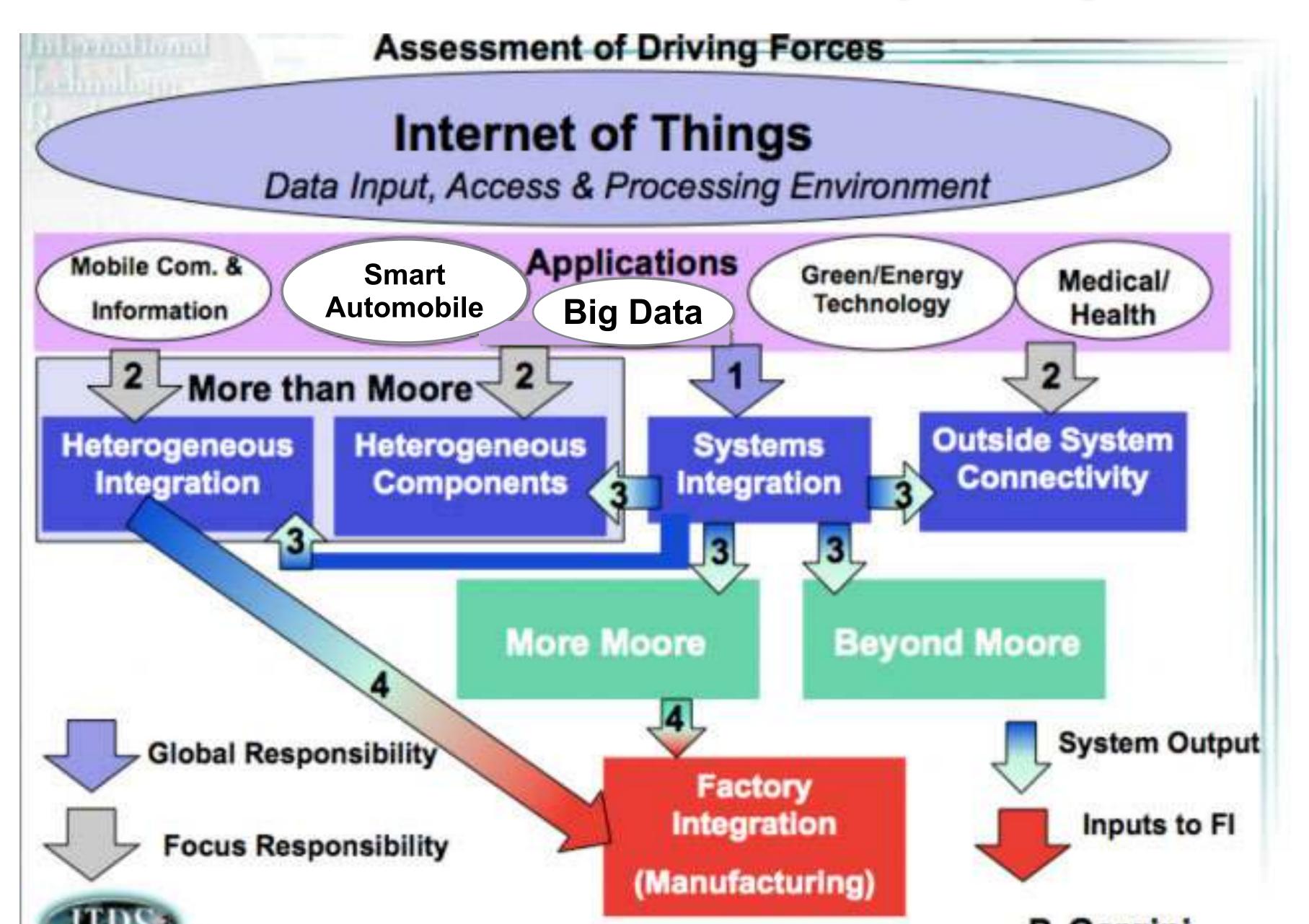
More Devices More Data



> Zetabyte Internet Traffic³ > 9 Zetabyte

Internet and device expansion drives new requirements for IT solutions

What's next ?..... Everything !!



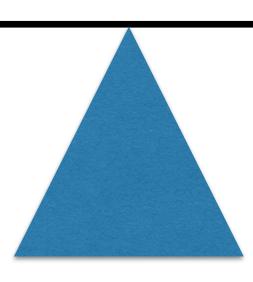
The IT Department of Today





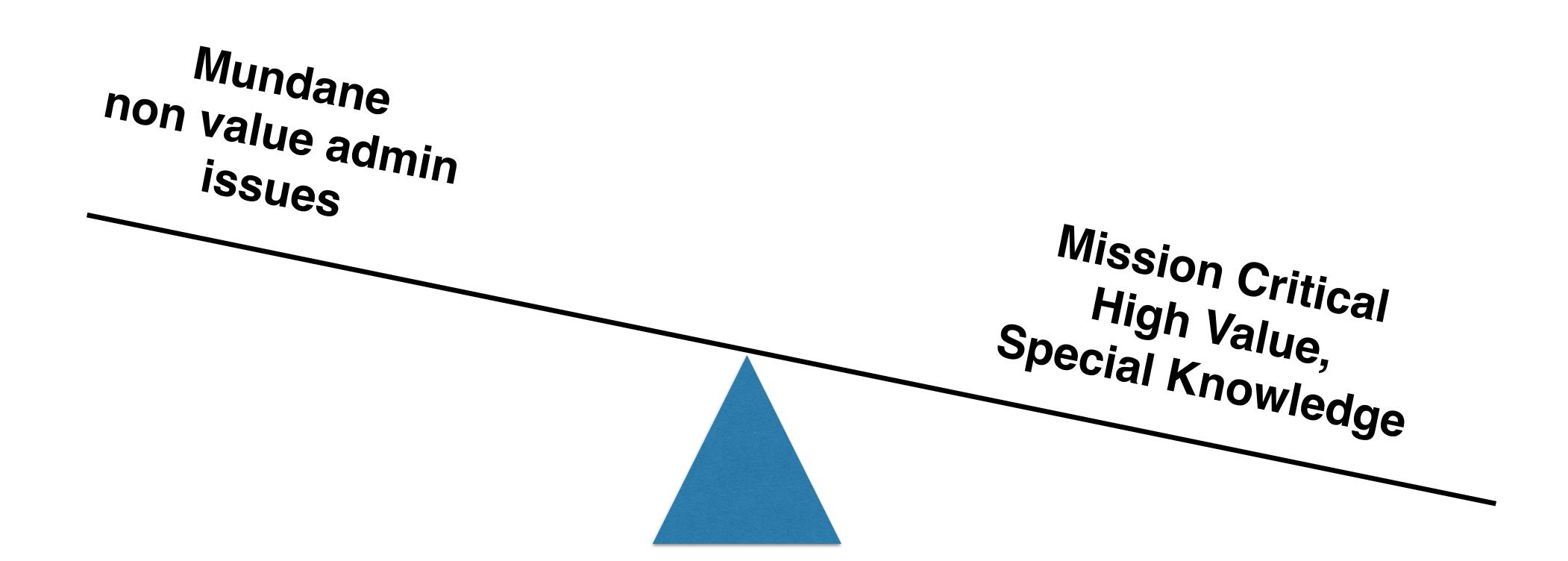


Mundane non value admin issues



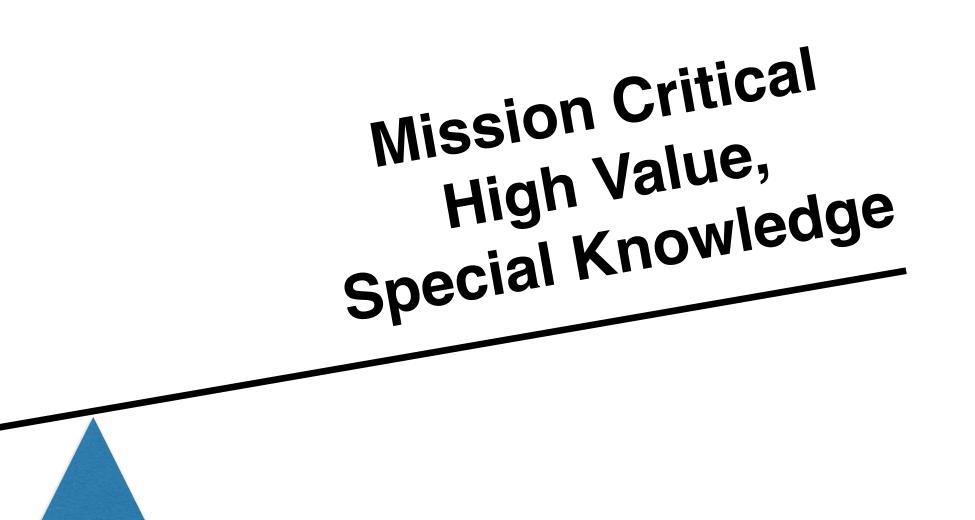
Mission Critical High Value, Special Knowledge













"Far too many companies today find that they need to devote 70% or even 80% of their IT budget just to run and maintain what they've already got, leaving as little as 20% for innovation." This shift in responsibilities does not allow IT executives to stay focused on higher-level, mission-critical responsibilities.

Full Page Array Ink

Acrylate Ink Compositions for Digital Lithography

3D Systems



"Less successful companies took the conventional approach where strategic thinking was dominated by staying ahead of competition, in stark contrast, the high growth companies paid little attention to beating their rivals. Instead they thought to make competitors irrelevant"

Harvard Business Review





I can only succeed if someone else fails

Genghis Kahn



