IT Strategic Direction

COT 2017

Pace of Change

- Moore's Law *extrapolated*
  - Computing power will 2x every two years and decrease in cost
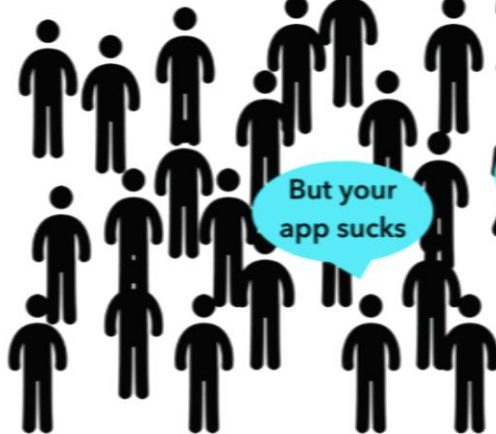 - True for 50 years now

Digital Disruption

Change IS Coming

Soon
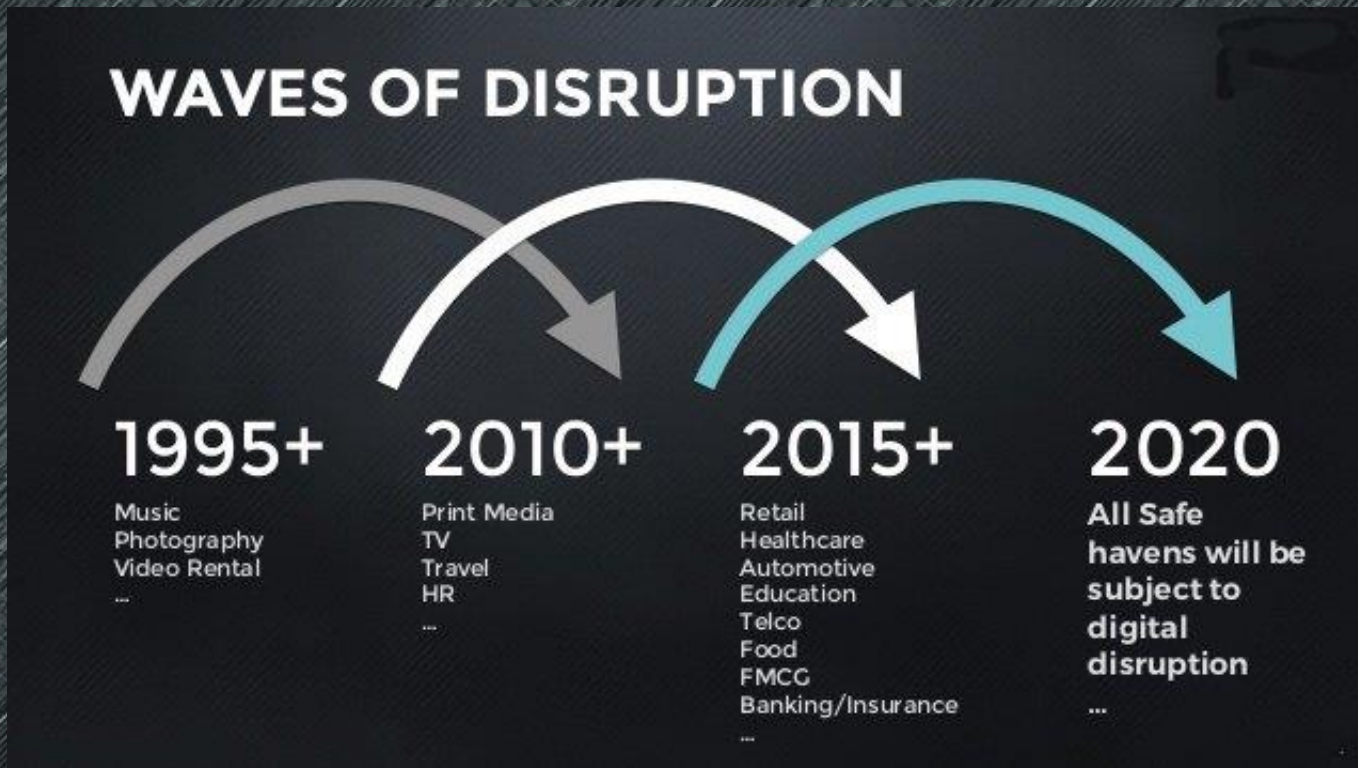
Rise of the Smart Machine

- Sensor enabled they can:
  - Hear
  - Speak
  - See
  - Touch
  - Learn
  - Predict & React

Microsoft AI Vision

NCSC/JTC Paper

JTC Resource Bulletin

Courts Disrupted

Version 1.0
Adopted 11 May 2017

Rethink how we Serve

- Faster Resolution
- Less Complexity/ Expertise Required
- A Reasonable Cost
- Accessibility: 24x7 instead of 8-5
- Scaled to the Client
- Based on facts/data/outcomes/trends

Examples

- Probations **E**vidence **B**ased **P**ractices
- **O**nline **D**ispute **R**esolution
- Specialty Courts
- Electronic Filing
- Proactive Electronic Notification
- Fair Justice For All recommendations

Fair Justice Initiatives

- Streamlined Correctable Violations handling
- Online Ticket Processing
- Court Assistance & Fine Reduction programs
- Tiered Fine Assessment based on Poverty levels

Cont.

- Electronic notification of upcoming Hearings and payments due
    – Warnings on failure to comply
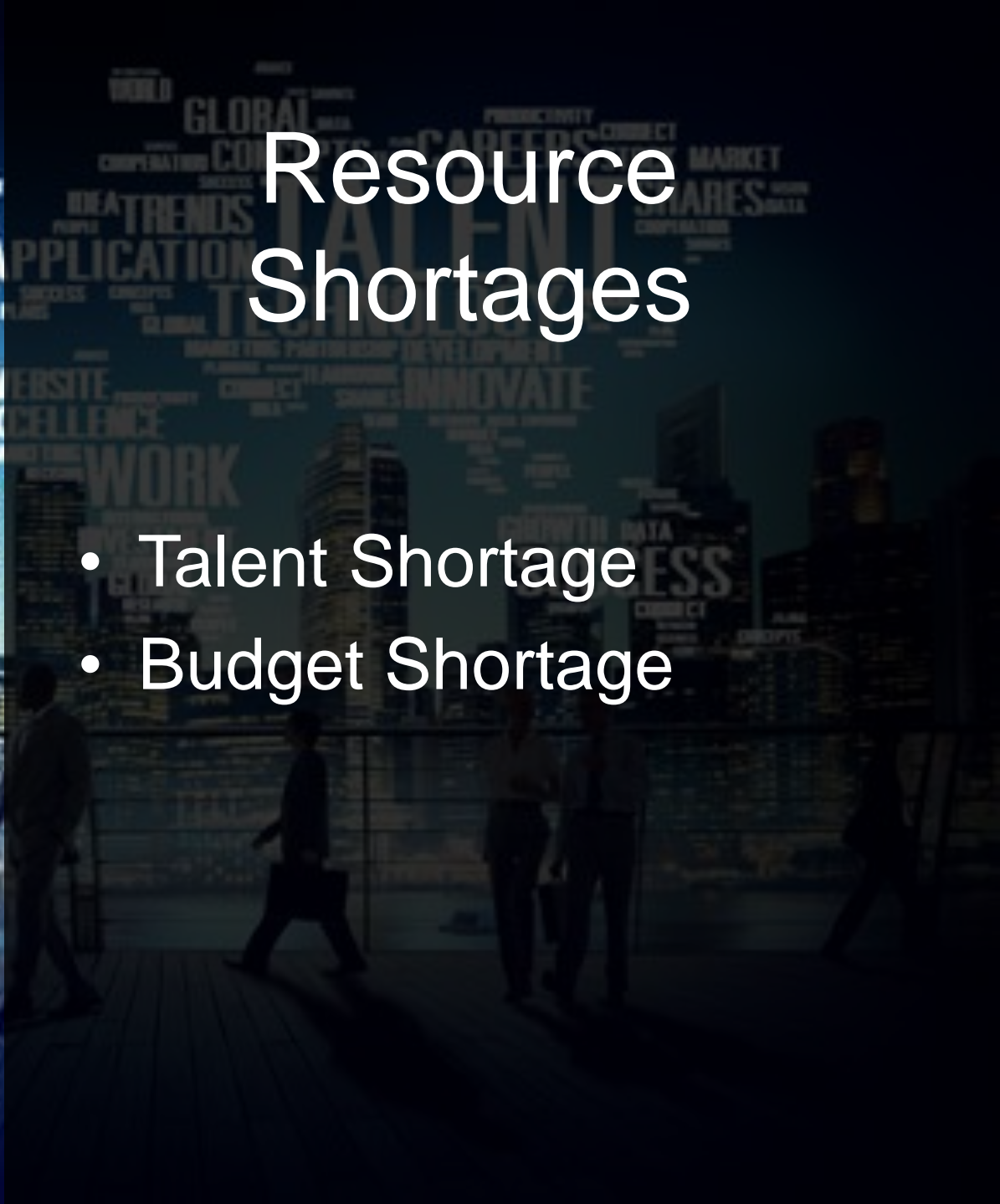- Release decisions/conditions based on structure assessment

Technology Challenges

Tech Debt

- Old inflexible systems
  – Slow improvements
  – Limit innovation
- Lack of Support
  – Security Vulnerabilities
  – Business Disruption'
- Resource Consumption

Resource Shortages

- Talent Shortage
- Budget Shortage

Federated system

- Too many systems to integrate
- Too many different processes
- Too much replication of effort
- Too many Committees

Key Initiatives

- Managing and protecting massive amounts of digital information.

- Learn to Leverage our Big Data.

- Retiring the Technical Debt.

- Look to Cloud Infrastructure and Services to reduce debt and speed delivery.

- Move from Monolithic systems to componentized services for flexibility and speed.