

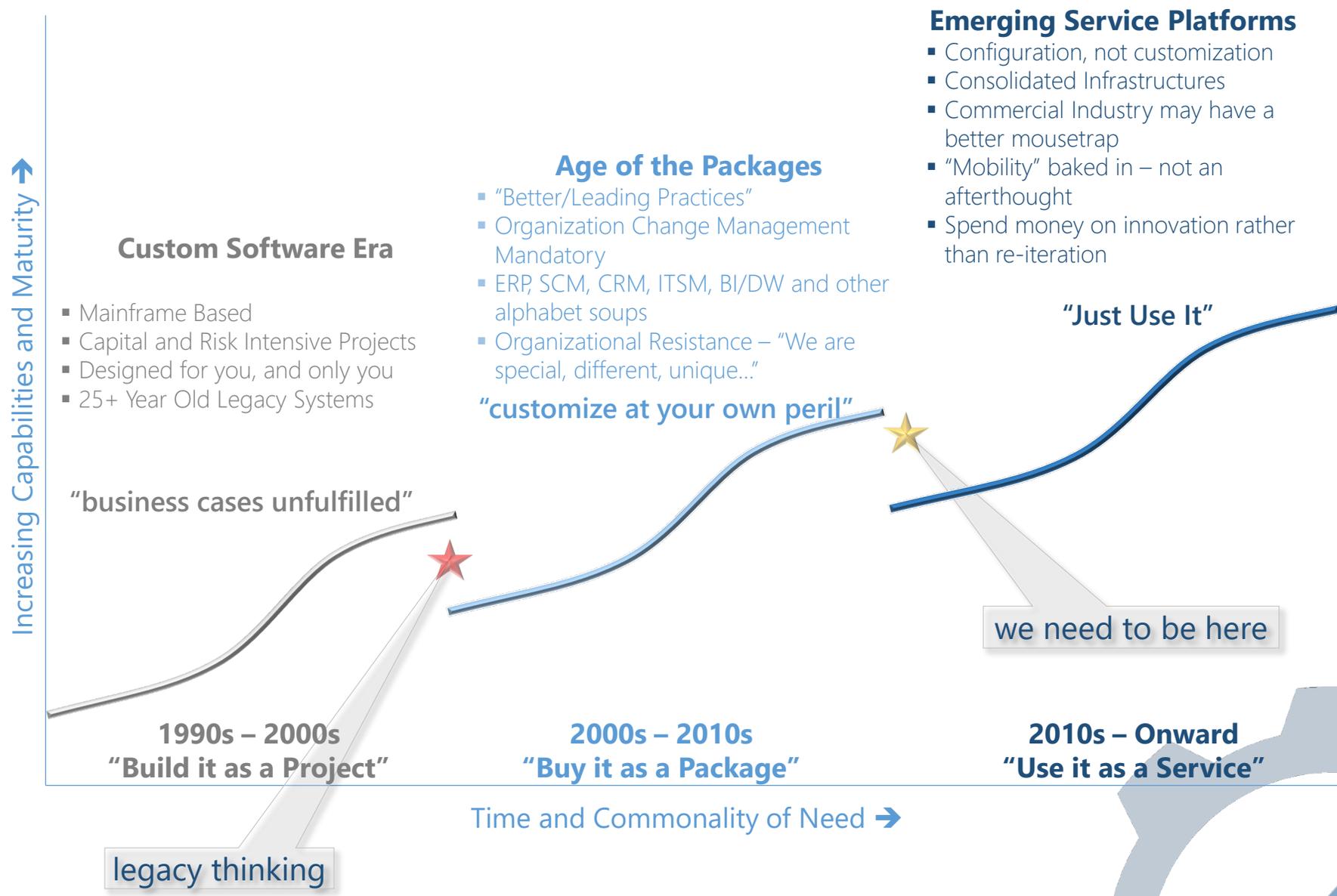
Fiscal Year 2016 Update

Driving Value through Optimization and Collaboration



IT Optimization Update

shared infrastructure, platforms, solutions and outcomes

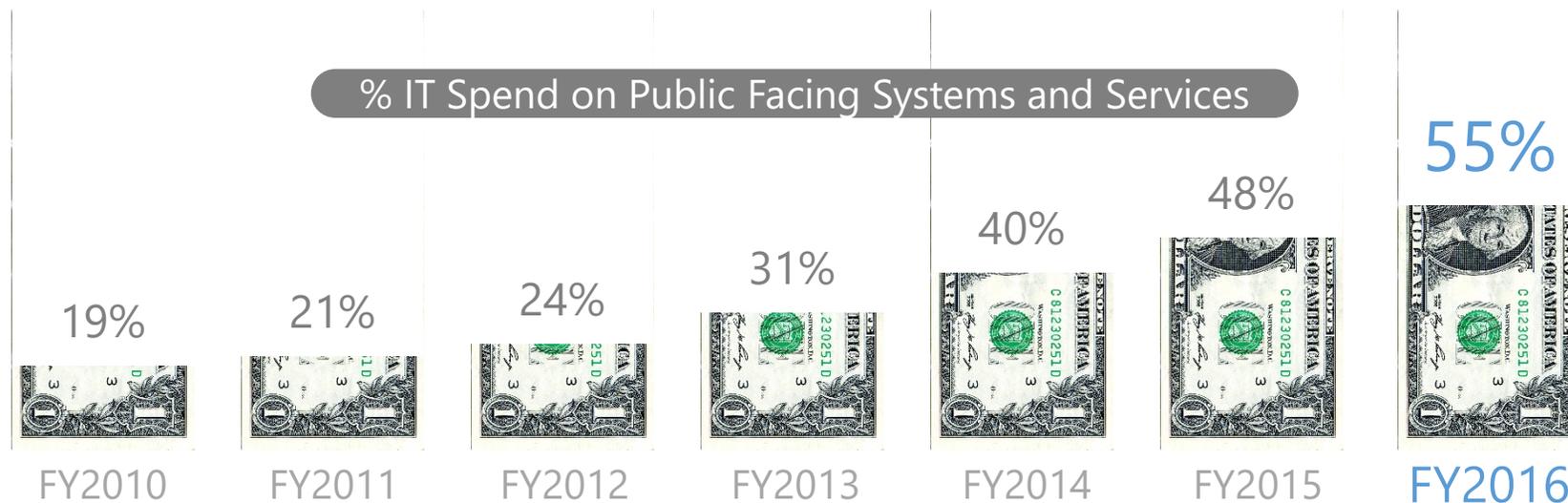


Key drivers:

- ✓ invest in platform and service-based solutions
- ✓ share them... liberally...

IT Optimization Update

continued focus on the right things... still lots of work to do!

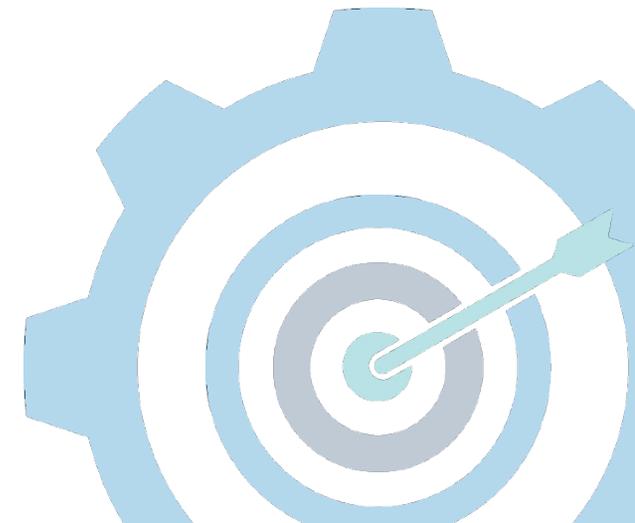


since 2010, the State has moved from spending less than **19** cents of every IT dollar on the public facing services and systems to more than **55** cents of every IT dollar spent in FY16

aspirational target: **70%**

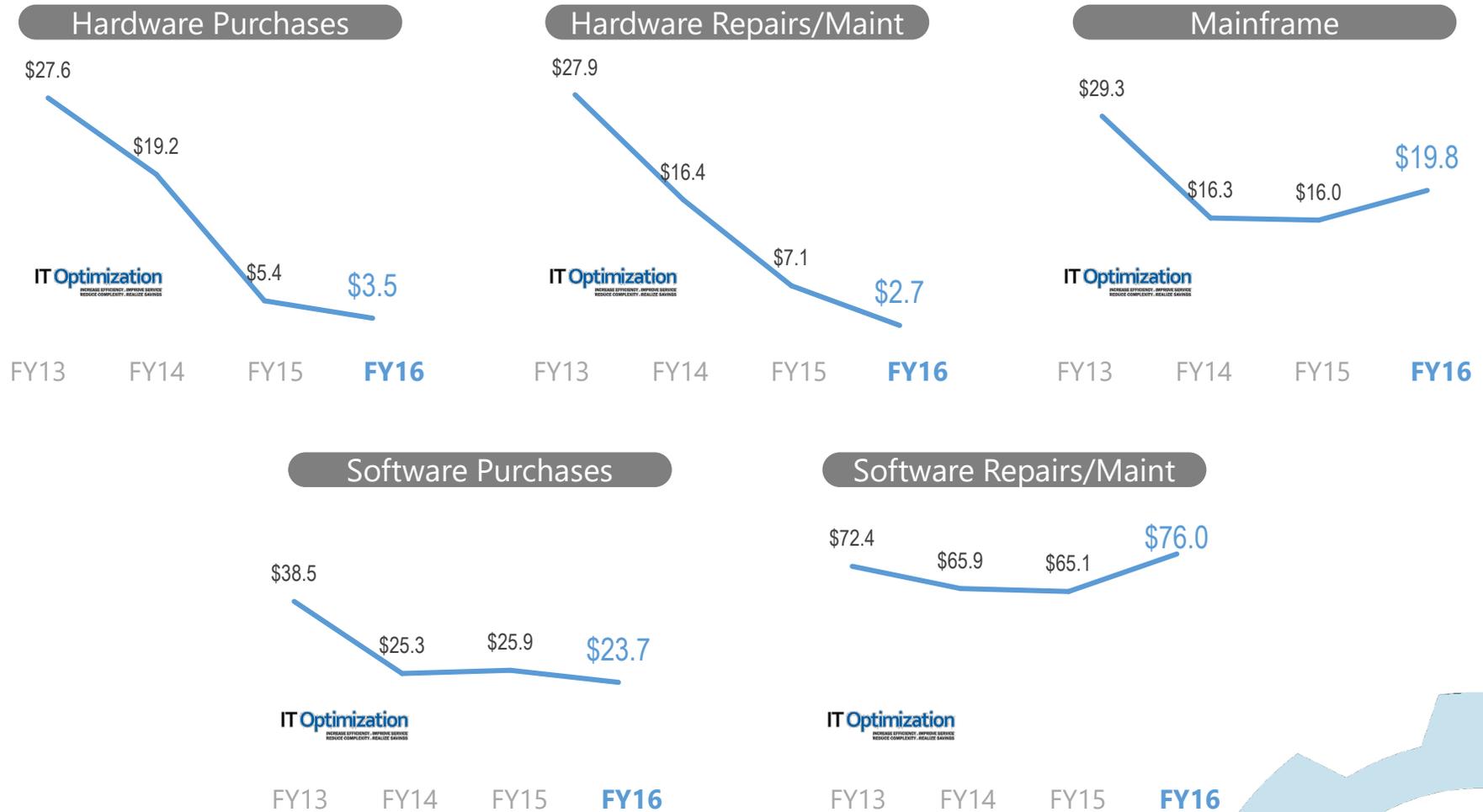
key drivers:

- ✓ continued use of shared infrastructure & services
- ✓ move to software and platform standards
- ✓ legacy systems retirement
- ✓ cross-organizational collaboration



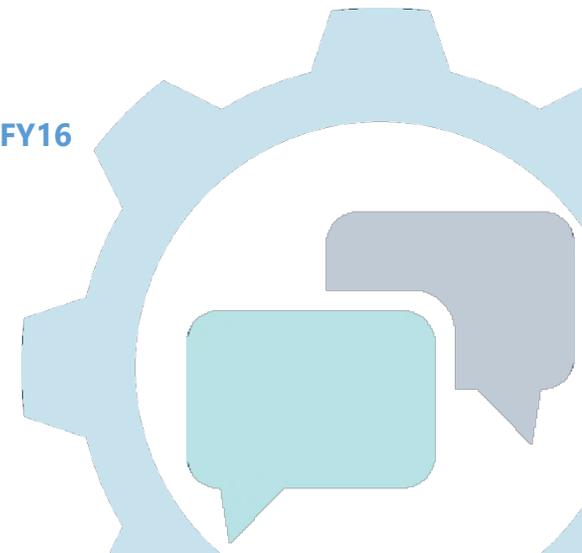
IT Optimization Update

optimization has focused infrastructure spending... other categories need attention



key drivers:

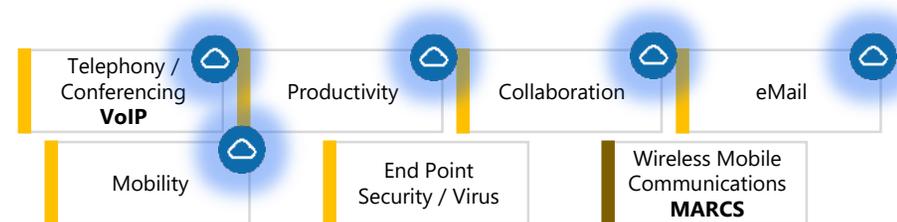
- ✓ continued use of shared infrastructure & services
- ⊗ historical software (over)spend
- ⊗ lack of sharing licenses, standards and support



IT Optimization Update

...the migration to the cloud has commenced, will the last agency with a legacy system, please turn out the lights on your way out...

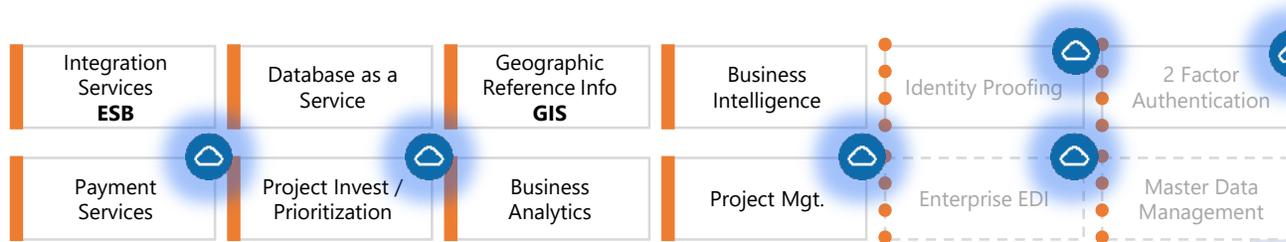
Endpoint Services



Enterprise Solutions

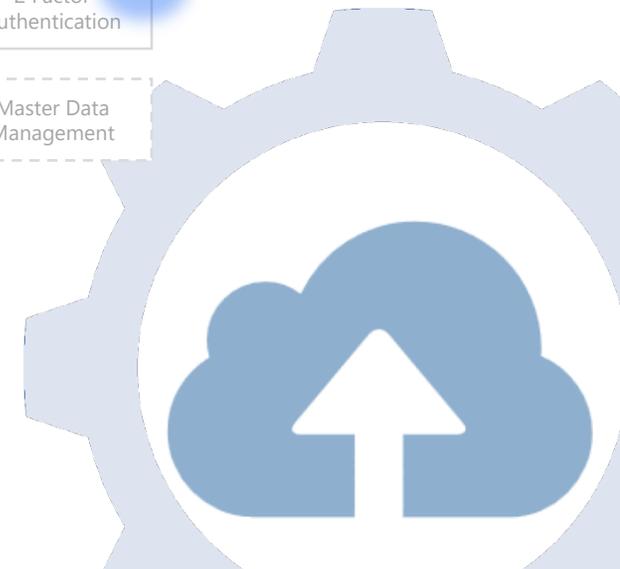


Agency Innovation Services



Legend
 | in place ● planned ☁ public cloud

Ohio's hybrid state & external cloud "innovation platform" for common services that agencies can utilize and build upon



IT Optimization Update

cyber and identity continue to be centerpoint initiatives and focus areas

EndPoint Protection

Deployed to **83,000** workstations and servers across **66** agencies, boards, and commissions, including:

- ✓ Antivirus
- ✓ Site Advisor
- ✓ HIPS
- ✓ Policy Auditor

Vulnerability Scanning – finds vulnerabilities and misconfigurations which could be exploited in an attack

Weekly network vulnerability scanning for **over 100,000** IP addresses enterprise-wide

Enterprise secure web gateway – protects internet browsing against malicious activity

Network Security

Application Vulnerability Scanning – detects application vulnerabilities which could be used to exfiltrate data or deface websites

300 websites and continuing to expand this service

Network Intrusion Detection – detects malicious activity on the network in realtime

10 devices deployed throughout the enterprise

Security Incident Response Team

SIRT monitors enterprise security tools and works with agencies on remediation. Incidents (Calendar Year to date):

451 incidents related to Investigations into suspicious activity

1728 incidents related to malware

3,721 total incidents reported

key drivers:

- ✓ Ohio websites, networks and systems are a clear target for hacking & unapproved access
- ✓ An enterprise focus is essential



IT Optimization Update

collaborating across the enterprise, and across the State



Enterprise Identity / Access Management

- ✓ Definitive Identities
- ✓ Multi-Factor Authentication
- ✓ Programmatic Fraud Detection



Enterprise Data Analytics

- ✓ Cross Agency Data Sharing Initiative
- ✓ Analytics Processing / Storage
- ✓ Access to Specialized Data Scientists



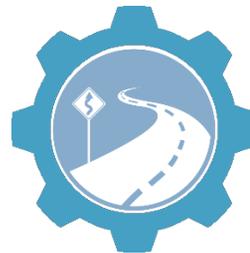
TrustOhio

- ✓ Security as a Service
- ✓ Penetration Testing
- ✓ Active Threat Remediation



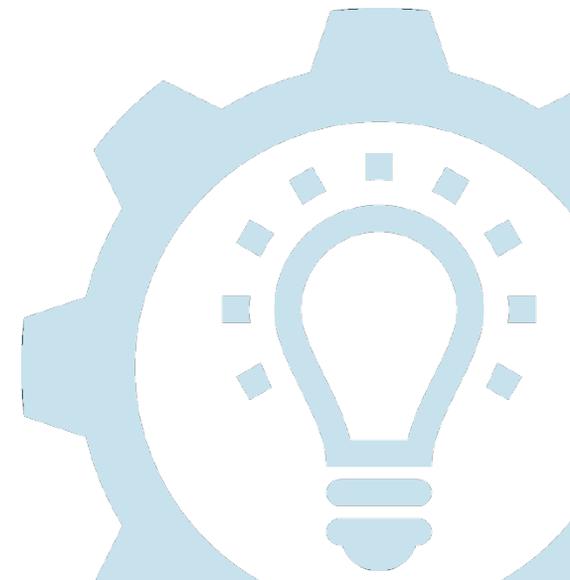
Cross-Government Collaboration

- ✓ Infrastructure Co-Location & Sharing
- ✓ Mainframe Sharing
- ✓ MARCS, E-911 and Security



Enterprise/Agency Collaboration

- ✓ OAKSenterprise (OAKS/ODOT)
- ✓ Significantly increases capabilities of OAKS for all Agencies
- ✓ Support ODOT retirement of Systems



IT Optimization Update

our peers have taken notice of our results



2016 Digital States Survey

- ✓ Ranked "A" for first time ever
- ✓ One of only 5 States at this level



2016 Digital States Survey

- ✓ **4th Place** – Adaptive Leadership
- ✓ **2nd Place** – Transportation



2016 Industry Awards

- ✓ NASCIO Information Communications Technology Award (VoIP)



2016 NSTIC Grant Award

- ✓ \$2.97M Funding for Enterprise Identity, Authentication, Fraud Project



IT Optimization

INCREASE EFFICIENCY. IMPROVE SERVICE.
REDUCE COMPLEXITY. REALIZE SAVINGS.



Thank You!

Driving Value through Optimization and Collaboration