

BIG UNIVERSITY 2018



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Construction Track



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SESSION 2

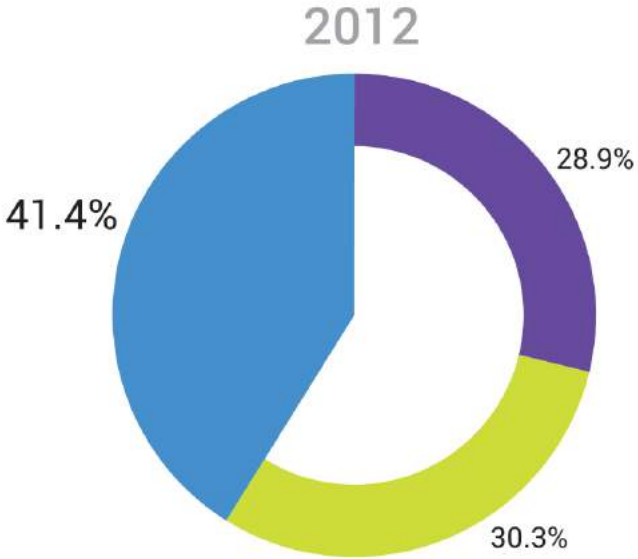
“Protecting Your Information in the Field”
Patrick Rumbaugh (Business Information Group)



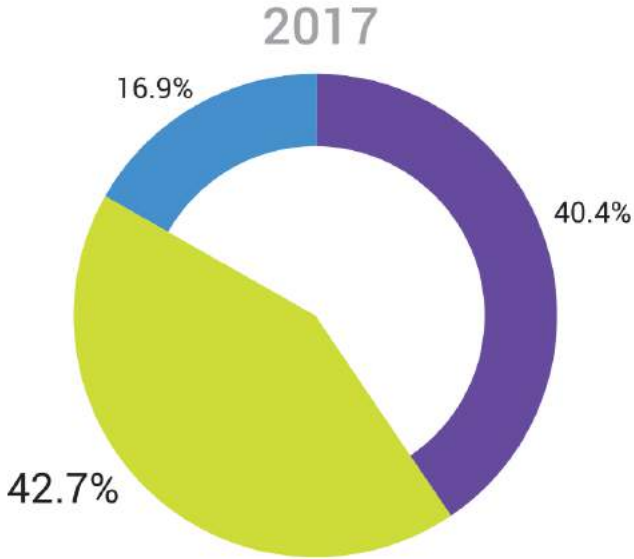
Objectives

- Explore popular technologies that are being used on jobsites
- Identify threats to be aware of
- Define better management of devices in the field

How important is technology



- Very Important
- Important
- Not Very Important



- Very Important
- Important
- Not Very Important

Technologies on the Jobsite

WHY

- Collaboration
- Accurate and timely data
- Data stored on servers that is backed up
- Create efficiencies to reduce cost
- Accurate and timely decisions

WHAT

- 3D Printing
- Augmented Reality
- BIM
- Drones
- GPS Tracking
- Laptops/Tablets/Smartphones
- Laser Scanning
- Robotics
- Virtual Reality

BENEFITS EVERYONE

- Accounting – direct integration between the office and the field
- Estimating – bringing the field to the office
- Project Management – real time data for accurate decision making
- Safety – integration, field to the office and accurate data for decision making

Threats on the Jobsite

WHAT

- Connecting to the jobsite
- Job trailers
- Out of date AV
- People
- USB devices
- Windows update

How to Better Manage the Jobsite

DEVICES ON JOBSITES



Laptop



Tablet



Smartphone



Wearable

2017

78.4%

53%

76.8%

11.1%

HOW

- Properly Securing Your Networks
- Mobile Device Management (MDM)
- Managed Services Platform
- Cloud-based Antivirus
- End User Training

Securing Your Networks

- Internal and External Networks
- What security protocols are in place to grant access company resources?
- Understand your work flows

Mobile Device Management

- Apply security login code to all devices
- Asset management
- Detect jailbroken or rooted devices
- Email password changes from centralized portal
- GPS tracking
- Logging and reporting for compliance
- Push applications to devices
- Remote wiping capability

Managed Services Monitoring Platform

- Asset tracking
- Device use
- Geolocation
- Physical health
- Proactive incident detection
- Verification of necessary services
- Windows patching and updates

Cloud-based Antivirus

- Centralized database updated by recent threats
- Only requires internet connection to get updates
- Schedule scans through portal
- Exceptions through portal
- Device and File trajectory

Security Awareness Training

- Considered proper standard of care
- Create a top down approach – no one is exempt
- Do not assume
- Emphasize the importance of data security
- Many tools to do this

Questions?

Thank you

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