

THE MOBILE SHIFT

Using Mobile Tablet Applications to Fuel Productivity and Provide Value

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Health and Safety Moment

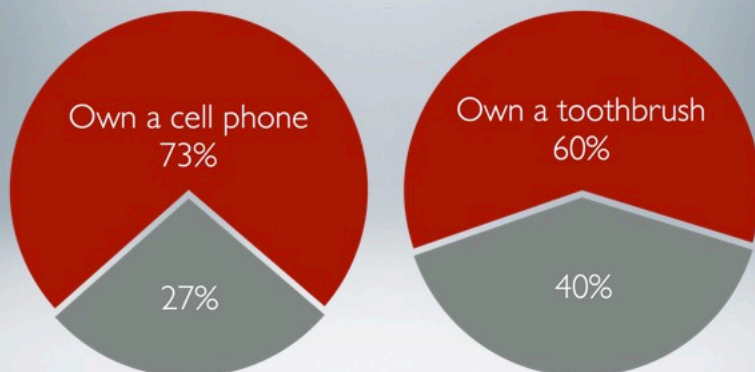
Mobile Mishaps



NSC estimates that 23% of U.S. accidents (1.3 Million) are caused by drivers using cell phones.

Background

Of the 7 billion people on earth...



Source: Mobile Marketing Association Asia



Mobile device usage worldwide has exploded. Where do you fall in?

Background

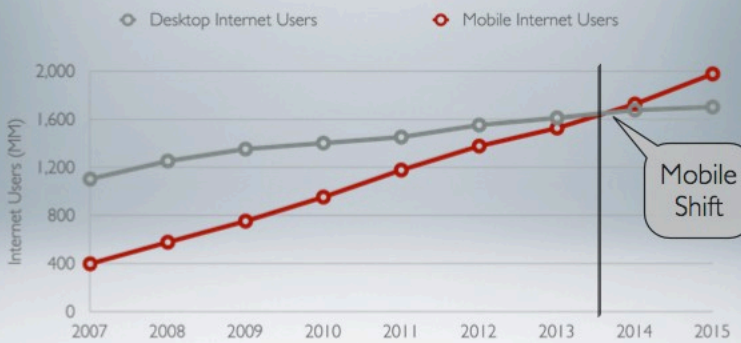
Phones & Tablets & Phablets! Oh my!



The variety of devices currently available are enough to confuse anyone.

Background

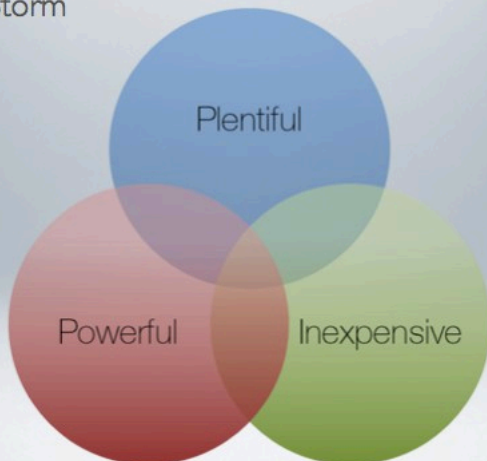
The Mobile Shift



Recent data suggests that the mobile internet users (red line) has risen even faster than what is depicted here!

Background

A Perfect Storm



It's a great time to be a consumer!

Objectives

- Mobile App Considerations
- FieldData Collection

ASSETHOUND®

- Construction Services

CONTRACTHOUND®

DISCLAIMER*

Encourage general mobile app usage.
Challenge consultants to take advantage of green technology.



Mobile App Considerations

Hardware

Google Nexus 10

Res: 2560x1600
Dual Core CPU
Quad Core GPU

WiFi
Bluetooth
NFC
USB
HDMI

Cameras: 5MP / 1.5MP
Camera Flash
Accelerometer
GPS
Gyroscope
Barometer
Ambient Light
Compass



Increased resolution can come with a cost; CPU stress. Don't assume your apps aren't affected.

Mobile App Considerations

Two Flavors*

Native

WebApp

Speed
Flexibility
Offline



Updates
Cross Platform
Online



* Generally speaking

Mobile Apps

Online vs. Offline

ONLINE HYBRID OFFLINE

No Connection = No Work

Manual Data Transfer

Simple "Sync"

Best of Both Worlds

Complex Data Sync



ASSETHOUND[®]

RELIEVE THE
DATA COLLECTION
BOTTLENECK



Field Data Collection

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Collecting data with paper comes with obvious complications. Some include:

- Additional time
- Less consistency
- Increased risk

Field Data Collection

Before and After



Field Data Collection

Pilot Test: Toho Water

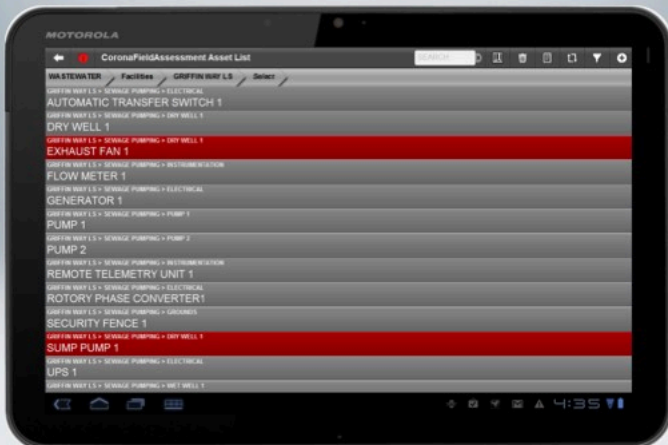


40% Savings in Data Collection Labor!



3+ years ago...

Field Data Collection

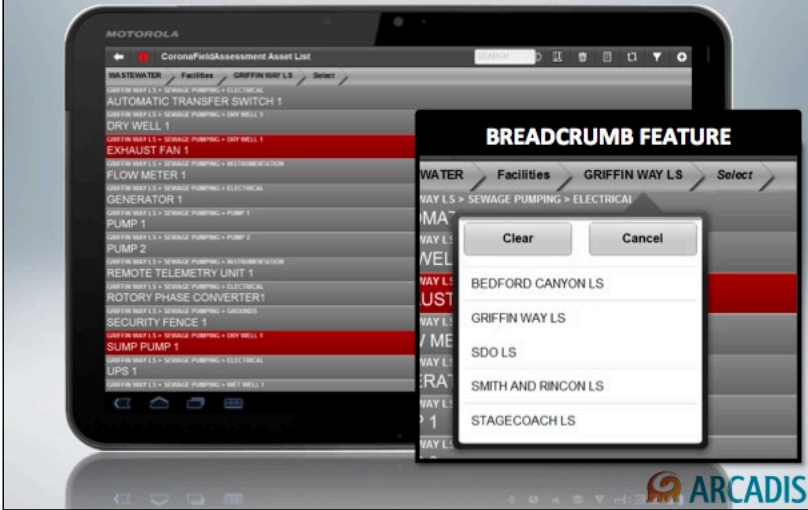


Display information in a way that makes the most sense to your users.

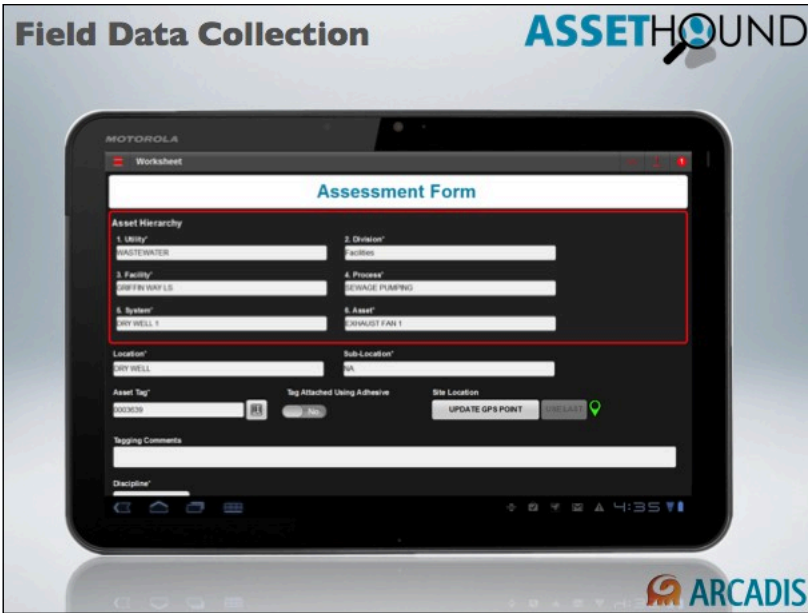
Field Data Collection



Find ways to filter data quickly and easily.



Field Data Collection



Field Data Collection

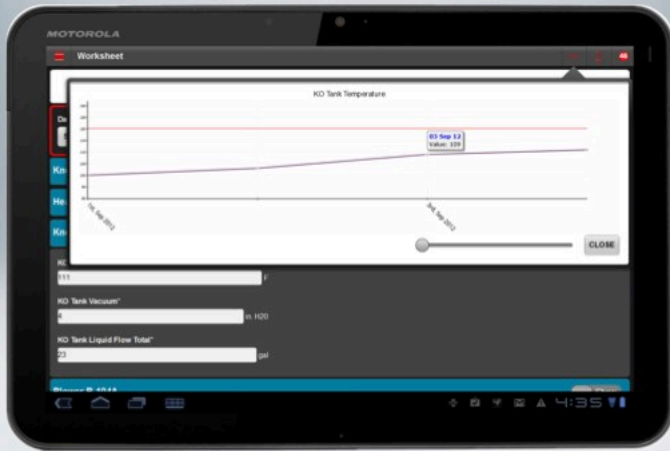


Think about how you want to handle imagery.



Field Data Collection

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Give users opportunities to make sense of the data they are collecting.

Field Data Collection

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Summary

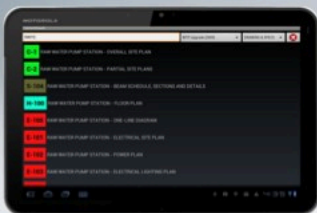
- Simple
- Powerful
- Efficient
- Flexible
- Inexpensive



ARCADIS

Construction Services

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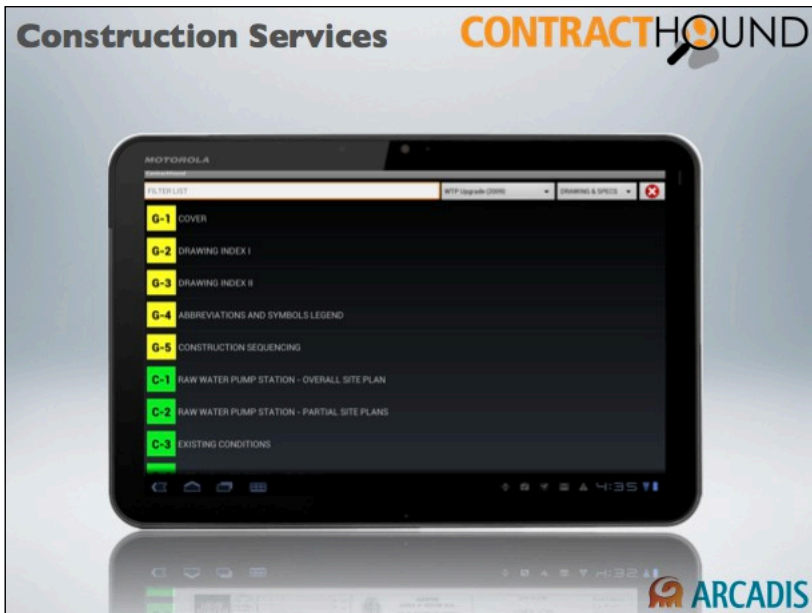
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ARCADIS

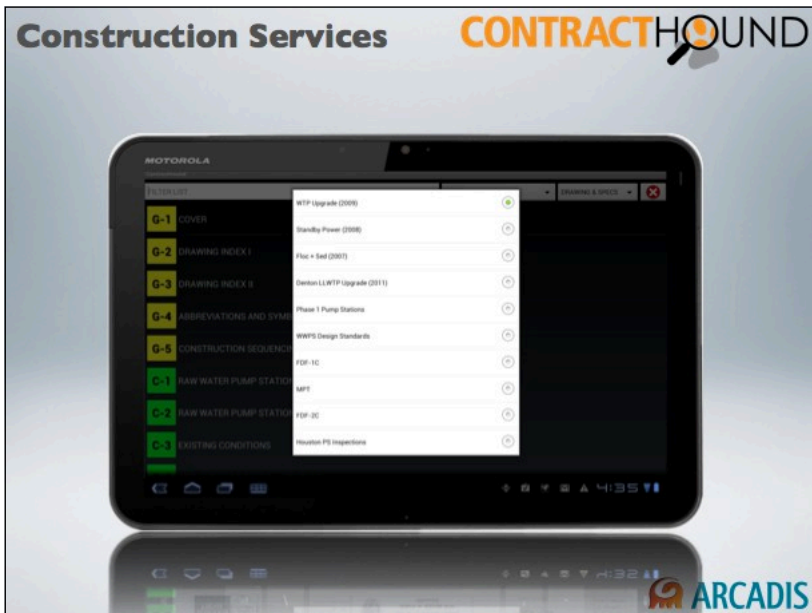
Which would you rather?



Minimize the time spent in the office/trailer and maximize the time spent in the field.



Keep it simple!



Load in as many sets of documents as you want.

Quickly filter documents.



Markup PDFs right on the device.



Summary

- Simple
- Powerful
- Efficient
- Flexible
- Inexpensive



What's the hold-up?

“ I'm afraid they are going to break it. ”

“ That's going to cost too much for our project. ”

“ I won't be able to read the screen in the sun, and I doubt the battery will last the whole day. ”

“ Will it work on my computer? ”



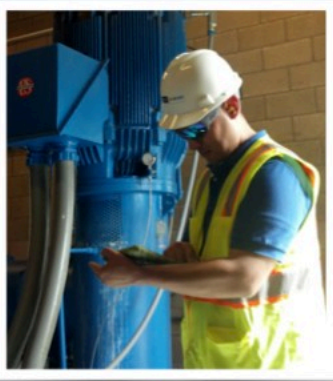
He that is good for making excuses is seldom good for anything else.

- Benjamin Franklin

Surprises

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App Reach



User Confidence



The Mobile Shift

Conclusion

- Encourage mobile device usage.
- Challenge consultants to use green technologies to deliver higher quality deliverables.

Are you convinced?



Thank You!

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