

Practical Pipeline Applications on iOS Devices



2012 Esri Petroleum GIS Conference



Eric James
Colonial Pipeline Company

Eric Klein
Critigen

CRITIGEN

Introduction



2012 Esri Petroleum GIS Conference

Colonial Pipeline Company

- § 5,500 miles of pipeline
- § Largest carrier of refined petroleum products in the country
- § Transport over 2.3 million barrels per day
- § APDM enterprise geodatabase

Critigen

- § Spin off from CH2M Hill (\$6 B engineering firm)
- § Esri platinum systems integrator
- § Nearly 20 years providing GIS and I.T. service in O & G

Agenda



- Project Background
 - § History
 - § Purpose
 - § Justification
- Why iOS?
- Live Demonstration
- Challenges
- Next Steps

Project Background



- Currently in Proof-of-Concept phase
- Colonial's APDM Database
- Project Need
- Existing Applications
- Business Justification
- Expected Gains
 - § Instant access to data
 - § Greater use of available information – Higher adoption rate
 - § Greater exposure to GIS
- Security

Why iOS



- Fleet of iPhones
- 85% of employees with company phones have iPhones
- Intuitive/Recognized Interface
- Closed Platform – More Secure

Live Demonstration of Apps



Where Am I?



Incident Responder



Colonial App Zone



Colonial App Zone

Groups

GROUP: Right of Way Personnel



Where Am I?



Asset Collector



Incident Responder



Alert One!



Colonial Scout

Challenges



- Apple Enterprise Enrollment – DUNS
- Enterprise Deployment – UDIDs
- Security – VPN and Options?
- Performance Optimization
- User Interface

Next Steps



- Additional Functionality in Existing Apps
- Enterprise Colonial App Zone
- More Apps!