RESPOND. RESTORE. REPORT.

arcos®
Mobile Inspection

IMPROVE ACCURACY AND SPEED OF ROUTINE FIELD INSPECTIONS

For gas and electric utilities, insuring safety and service reliability for the community is a priority. Proactive inspections of a utility's infrastructure enable more predictive rather than reactive maintenance, which leads to continuous service. Whether it is a power station, transmission line, substation or gas lines, the right mobile inspection solution reduces inspection jobs from days to just hours. Using the utility's GIS system and the mobile location services on any smartphone, tablet or laptop, inspectors can efficiently report and transmit inspection data to supervisors or

WHY ARCOS?

- Supports any mobile device (iOS, Android, Windows)
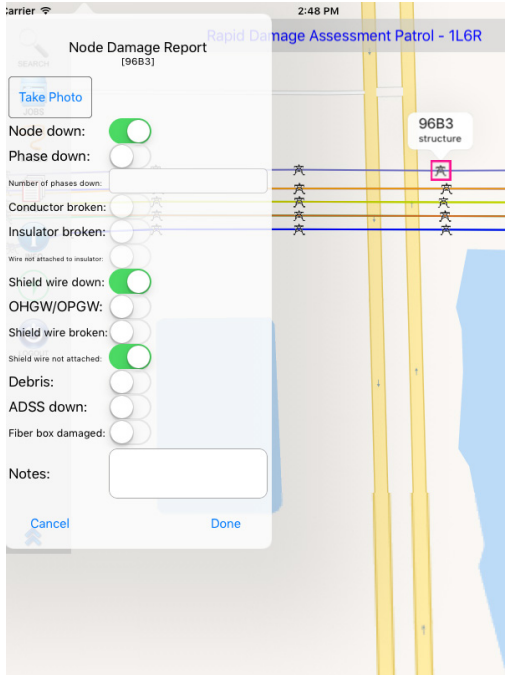- Works online and offline
- Integrates with WMS and GIS

managers. The solution guides field assessors through the inspection process and creates an instant record of infrastructure conditions.

Faster, More Accurate Field Inspection

The ARCOS Mobile Inspection solution gives field inspectors the ability to

efficiently assess infrastructure and to record and report any necessary repairs. Supervisors and managers can easily assign work through the application's dashboard. Jobs then appear in an inspector's queue, accompanied with directions to a location.

If an inspector identifies needed repairs, the application allows them to simply create a new job, tagged with the location. Once a site report is complete, it is immediately sent to the dashboard and the corporate WMS system. Additionally, the data needed for the repair work is sent along with the job. In remote areas where there may be poor or no connectivity, the report will be saved until a network connection is found, allowing inspectors to continue to the next area without interruption.

Inspection data is entered on a map with utility infrastructure overlay

FOR EXECUTIVES AND MANAGERS

Routine field inspection is simplified with ARCOS Mobile Inspection. The mobile application helps to improve accuracy and speed of inspections. Benefits include:

- Reduced field inspection cost - any device can be used (BYOD) for employees or contracted resources eliminating need for expensive specialized devices
- Field inspection in hours versus days keeps crews available for construction work, emergency service or other higher priority tasks
- Online/offline allows inspections continue without need for connectivity to GIS or WMS systems

FOR FIELD INSPECTORS

Automated mobile inspections allow utilities to transition from a reactive maintenance to a predictive maintenance approach. This leads to more safe and reliable service for customers.

- Faster, more accurate inspections are enabled through applications guided assessment
- Materials for repair are captured and sent automatically to WMS
- Easy prioritization for infrastructure repairs, including calculation of customers affected by possible equipment issues in a particular geographic area
- Location services provides a quick view of an inspector's location for both safety and monitoring job progress

Reports

Tx Line: 624A-BARNA

Line_name	624A-BARNA 115kV [0505]
area	Central
service center	Cocoa
section name	624A-BARNA
section _key	1L5A
from site (section)	624a [229]
to site (section)	Barna [823]
line number	0
line id	505
line type	Normal
from site (line)	624a [229]
to site (line)	Barna [823]
voltage level	115kV
Description	624A-BARNA

fid=-196357

: -8984816.63 y: 3316743.13 | 28.536177N, 80.711981W | Alt. View: Birdseye Streets

Theme Default

Assign Jobs   excel   Search:

Service Center > Line > Line Section > Structure	svccenter	from_site	to_site	assign	unassign	damage details	jobid	completed
▼ Cocoa	Cocoa					damage		
▶ 624A-BARNA 115kV [0505]	Cocoa	624a [229]	Barna [823]	assign		damage		
▶ 624A-DELTA 115kV [0522]	Cocoa	Delta [842]	624a [229]	assign		damage		
▶ BABCOCK CAP BANK-STRING BUS 138kV [0732]	Cocoa	Babcock [587]	Babcock [587]	assign		damage		
▶ BAREFOOT-EMERSON 230kV [0693]	Cocoa	Barefoot [945]	Emerson [580]	assign		damage		
▶ BAREFOOT-MALABAR 230kV [0694]	Cocoa	Barefoot [945]	Malabar [210]	assign		damage		

Data gathered by inspectors via the guided mobile application is displayed on a map and reporting interface for managers

INTEGRATION WITH OTHER SYSTEMS

The ARCOS Mobile Inspection solution seamlessly integrates with a utility's GIS and WMS products. This provides the opportunity to stream reliable information into other systems. In addition, when combined with the ARCOS Crew Management and Callout solutions, utilities can easily match up crew and equipment resources with repair work as it is prioritized.