



Mobilizing Utility Field Workers with GIS: Lessons Learned

WFEC Background

Western Farmers Electric Cooperative

- Grown over 72 years to become Oklahoma's largest locally owned power supply system
- Serves 22 member cooperatives as well as Altus Air Force Base
- Five power generation facilities, over 3650 miles of transmission lines, 355 substations and approximately 375 employees.
- Long-time Esri customer maintaining over 50,000 GIS objects



Powering Rural America, Naturally.

WFEC responsibly brings renewable energy options to rural America.

Key Challenges!

- Regulatory Requirements, particularly regarding inspection and maintenance records.
- Operational Efficiencies
- Technical Efficiencies, including better utilization of existing GIS data
- Employee & Customer Satisfaction



Call to Action

- Replace outdated CMMS system
- Effectively extend CMMS & GIS functionality to Field Workforce
- Consolidate functionality and reduce or eliminate redundant solutions
- Provide employees with optimal device to suit their needs



Research and Discovery

- Witnessed Oracle presentation of EKCP solution
- Reviewed demonstrations of multiple CMMS and mobile systems
- Hands on evaluation of several hardware options
- Negotiated contract for solution

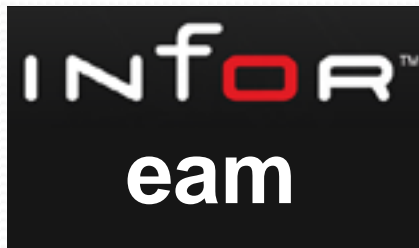


A Touchstone Energy Cooperative



Answer

- Infor Global Solutions EAM
- Advanced Mobile Work Management & Inspections + GIS
- Motion Computing F5t Tablet PC





Lessons Learned re: Hardware

- Touchscreen is preferred over a mouse & keyboard in the field while a mouse & keyboard is preferred over touchscreen in the office
- Device must be powerful enough to serve as laptop / desktop replacement
- Device must be efficient enough to last entire shift
- Device must be small and light enough to be taken out of the vehicle



Results!

Hard / Qualitative Results

- 42,000+ Assets in EAM
- 30 non-mobile EAM users
- 83 (up to 95) Maintenance Technicians using Tablets + Advanced Mobile
- 700+ Active Work Orders & Inspections

Soft / Quantitative Results

- Improved Accountability & Reporting
- Excellent Employee Adoption / Satisfaction





About the Technology

About Blue Dot

- By the numbers:
 - 25 years of experience in enterprise mobility
 - Over 1,100 unique customers in 18 countries
 - Over 105,000 licensees
 - 30+ Advanced Mobile for Infor Distribution customers
- Business focus on Field, Fleet, Factory, and Facility
- Provider of Packaged Mobile Applications & Platforms to industry leading ISVs in ERP and T&L



Who is *Motion*



Value Beyond the Tablet

Field Service Workflows require:

- In-Vehicle Solutions
- Bar code scanners and RFID readers
- Magnetic stripe readers
- Docking stations and lockable charging cabinets
- Mobile and vehicle mounted keyboards
- External battery chargers and auto adapters
- Wireless infrastructure services
- Enabling software
- Deployment services



Motion at WFEC

- Motion Computing F5t Tablet PC
 - MIL-STD-810G & IP54
 - Gorilla Glass with View Anywhere® display
 - WiFi, Bluetooth 4.0, Gobi™ WWAN
 - Integrated GPS, Digital Camera, Web Camera, RFID reader, and barcode scanner
- Additional Available Accessories Not Currently Used at WFEC
 - Mobile Dock
 - Hot swappable extra Batteries
 - Battery Chargers
 - FlexDock



Additional Resources

Blue Dot Solutions

- Website – www.bluedotsolutions.com
- YouTube – www.youtube.com/bluedotsolutions
- Twitter – www.twitter.com/bluedotsolution

Motion Computing

- Website – www.motioncomputing.com
- Phone – 1-866-MTABLET or 512-637-1100
- Email – sales@motioncomputing.com

Western Farmers Electric Cooperative

- Website – www.wfec.com