

Mobile

Case Study - Martin County Crews Mobilize with GeoKNX Mobile

Case Study—Martin County, FL

Mobile technology is helping Martin County, Florida extend its enterprise information system to the field. Historically, County crews collected information and performed work in the field using sketches and notes on paper maps and forms. A trip back to the office was required to manually enter the edits into the corporate database. This inefficient process resulted in data that was not always current or accurate.

County Staff needed a mobile solution to streamline the collection of traffic control device attribute data. The County Operations Manager, Kimberly Roden, was not interested in another handheld with a data connection. She wanted a fully functional automated solution.

GeoKNX Mobile, developed by MarshallGIS, has allowed the County to extend their enterprise information from the office to the field. This wireless mobile solution enables field-based personnel to capture, store, update, edit, analyze, and display information via a map interface without frequent trips back to the office.

Field crews take data into the field as digital maps on compact, rugged tablet PC computers. This enables the County to add to or update their database and applications in real time, speeding up analysis, display, and decision-making by providing the most current, accurate data available.

County crews use GeoKNX Mobile to complete the following tasks in the field.

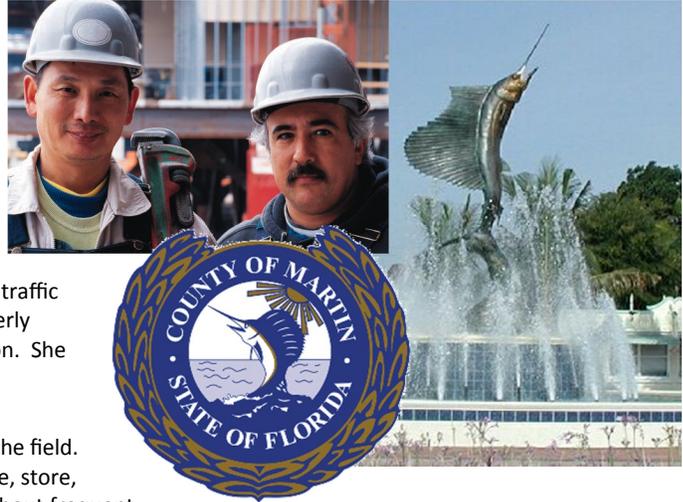
- **Access Data**
 - GIS Hansen data
 - Hansen County data
- **Use GPS**
 - Locate themselves on a “live” map
- **Asset Inventory/Condition**
 - Acquire location information for an asset, either via integrated GPS or on-screen digitizing
 - Add or edit attribute or condition data for new or existing assets using simple, data entry forms
- **Work Management**
 - Receive work assignments in the field
 - Query for existing work orders
 - Edit and close out work orders

Return on Investment

Martin County anticipates being in a much better position to leverage their resources such as personnel. Allowing field crews access to the data in the field reduces trips to the office.

Field crews will be able to reduce the voluminous inspection process paperwork and reduce data entry errors when transcribing information.

The County has the ability to quickly address urgent citizen requests relative to traffic control devices. For example, the County has only 24 hours to repair/replace a stop sign or traffic signal before fines are issued. Having the ability to document repairs in a real-time environment will place the County in a better position when defending tort liability cases.



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