NAVIGATING THE NEW AGE WITH MOBILE SOLUTIONS

THE GREAT QUEST:
Seeking Mobile Solutions

The world is changing, and now you are tasked with supporting key pieces of infrastructure to deliver your product to the consumer. It is vital to know the location, status, and condition of your physical assets in order to maintain and make plans to expand them.

Our team at EN Data Solutions has the experience and expertise to help gas, electric, telecom, and renewable energy companies build their mobile solution strategy and deploy the technology to support information capture, inspection, sensing, field noting, and other activities performed by field workers.

VISUALIZE YOUR JOURNEY:
Remote Sensing and the Digital Twin Road Map

As your operations and technology mature, your view of the future becomes clearer. Mobile solutions will involve a sophisticated intersection of drone and remote sensing, comprehensive digital twin models for simulations and insights, an infusion of artificial intelligence interacting with sensors, and, of course, boots-on-the-ground observations.

It can be overwhelming to imagine and difficult to find a starting point. EN Data Solutions can help you assess your current and future needs, build a practical yet powerful road map, and assist in core elements of implementation, such as server system and cloud architecture planning.

PLAN YOUR ROUTE:
Dispatch Monitoring and Data Collection Pathing

Whether you are ready to think big, or are focused on the here and now, every approach to a problem needs periodic review. EN Data Solutions can help evaluate each of your mobile solutions with a general workflow analysis that looks at the data, technology, and task flow to reveal hidden risks and hinderances to efficiency.

A key area is the use of technical tools to capture the data, determine logical orders for dispatch, make real time observations, plan drone flights, and measure field worker productivity with quantifiable data metrics. EN Data Solutions has the right combination of licensed pilots, programmers, and data analytics professionals to provide order to your routine and future needs.

ENDATA SOLUTIONS

DON'T FORGET TO PACK:
Gear Analysis

How does one evaluate GPS hardware and other field gear? How many units will need to be kept on hand? Where and how will they need to be shelved? When will wear and tear catch up to the current inventory? Will the hardware work with the software and produce the right quality data? How can people be kept adequately trained?

As an organization that performs its own data capture operations across the US, these are some of the questions EN Data Solutions can help you resolve through direct consultation, R&D subscriptions, or our geo-dispersed testing services. These services will ensure you are prepared for the future.

MOVING AHEAD:
Solution Testing & Fitting

As an Esri partner, EN Data Solutions makes a continuous investment to understand the latest technical direction and product releases, including migration of Collector and Survey123 into the Field Maps solution base, as well as its server application architecture and database setups.

EN Data Solutions offers comprehensive testing and documentation services to ensure that solutions fit the problem they are solving. We also build training and documentation workshops and provide a data flow analysis in order to accompany you on your chosen GIS platform.

BRING A SNACK:
The Sweetness of Smart Forms

The smooth interactive nature of smart forms and their digital connection to the data warehouse is an important reason why companies are integrating them into nearly every context where data is still written out by hand on printed forms.

EN Data Solutions has a proven smart form formula for applications such as electric pole inspection and above ground asset field notation, and can be adapted to other contexts as needed. EN Data Solutions has a unique understanding of the difficulties in getting end users to adapt to technical changes and can provide methods to approach this dilemma.

WRITE HOME ABOUT IT:
Data Validation, QC, and Conversion

What good is a journey if you can't tell the story? What good is data that is not used? As you grow in new methods of information capture, your needs will grow for validating, storing, interpreting, and leveraging that data for business uses.

EN Data Solutions can provide hands-on solutions for beginning-to-end data use. This may include drone data processing, conversion of formats between GIS and CAD formats, contour generation, aerial imagery, and other custom-programmed Extract, Transform, Load (ETL) operations. These can be supplemented by in-house review from our qualified engineering subject matter experts.

The road may be long, but you aren't alone! Call or email EN Data Solutions to start a new adventure together or invite us to join the one you are already on!

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ArcGIS System Ready Specialty