Moving Beyond Simple Forms Apps to an Enterprise-Class Automated Debris Management System

One of Mobile Epiphany's clients are a large global asset design and consultancy firm, who offer services like engineering and project management. They were looking to become a prime contractor for monitoring private property debris removal in response to California wildfires. While our client was already highly respected for their environmental cleanup projects worldwide, they had never taken on a wildfire related private property debris removal and recycling project like the California wildfire required. The scale was enormous and the requirements were very unique to both FEMA and the State of California.

Krinkle
Debris Tracker

Challenge:
Keep data accurate and FEMA compliant for large scale debris removal efforts

Solution:
FEMA and federal reimbursment subject matter experts with enterprise-class software

Natural Disaster Response

When the POTUS declared a state of emergency in response to the California wildfires, the federal government granted funds to the state to return the affected land into environmentally clean land prior to the rebuilding process. The state allocated these funds to its jurisdictions, who sent out Debris Monitoring RFPs (Requests for Proposals) to the nation's best environmental cleanup companies. A key eligibility requirement to all modern RFPs of this nature is the requirement for a comprehensive Automated Debris Management System (ADMS).

Moving Beyond Simple Forms Apps

Automated Debris Management Systems manage the vast requirements for these types of projects, reduce human error and provide accurate data visibility (via multiple reports) to debris monitoring companies and the jurisdictions they serve. They also ensure that a federal government audit, which can be performed for years after the monies are awarded, meet and exceed government specifications, thus preventing the "claw back" of money paid to jurisdictions.

In order to accurately track all of the moving parts of large scale debris removal efforts, practically all jurisdictions require monitoring companies use an ADMS. Though many monitoring companies use a combination of simple forms apps and cloud management services to meet ADMS requirements for RFP eligibility, these simple approaches rarely meet the client's daily and summary data requirements. Additionally, these limited systems common in the industry do not meet state jurisdictions' quality requirements.

For a large-scale project, like the California wildfire situation, debris monitoring companies need a truly comprehensive, enterprise-class platform to track the enormous volume of haul and cut and extract tickets. They need their ADMS to be intuitive and easy to learn and use in order to minimize the training time and upfront regulatory knowledge required for hundreds of users (often times subcontractors) to be successful at their work.

The Army Core of Engineers (USACE) outlines the ADMS capabilities required for RFP eligibility, some of which include:

- *Incorporate system operator credentials with unique ID's*
- *Electronic registration of debris removal vehicles and equipment*
- *Generate electronic load tickets at the point of debris loading*
- *Complete Right-of-Way, Right-of-Entry and Per unit point of origin transactions*
- *Perform administrative functions, verify vehicle audit information, display real-time collection volumes, and review ticket/tower personnel GPS audit logs*
- *And many more*

*Learn the USACE's other ADMS requirements [here](#).*

ADMSs also need to provide thorough proof of work and daily work reports so that jurisdictions can track the ongoing progress of the debris removal effort with confidence that the data is true and accurate. Additionally, debris monitoring companies need their ADMS to keep its users tightly adherent to all FEMA regulations as well as State requirements. It also has to provide a means to regularly check the data being input to ensure accuracy and compliance.

An Enterprise-Class Automated Debris Management System

Krinkle Debris Tracker® is an out-of-the-box ready-to-deploy ADMS designed by Mobile Epiphany to help monitoring companies and jurisdictions prevent fraud, control their data and quickly audit and reconcile after a major disaster. The mobile app incorporates all of FEMA's documented best practices, forms, and processes from the official FEMA-325 and the PAPPG documents, ensuring monitoring teams meet and exceed FEMA data tracking requirements. Krinkle Debris Tracker® guides monitors, recon teams, truck certifiers and other relevant roles step-by-step through their respective work, reducing the amount of upfront regulatory knowledge required for them to be successful. Features like photo capabilities with time, date and GPS stamping and extensive user metadata provides best-in-breed proof of work, ultimately streamlining the data and payment reconciliation process while keeping the affected jurisdiction audit-ready at all times.

Mobile Epiphany is a decade mature enterprise class mobile software company who have been working with debris monitoring companies since 2016 on large-scale projects like hurricanes Harvey, Irma, Maria, Michael and more. Mobile Epiphany's team worked with various industry subject matter experts who have extensive FEMA and federal reimbursement experience to design, deploy and refine Krinkle Debris Tracker®. The mobile app is a byproduct of Mobile Epiphany's Rapid Application Configuration (RAC) platform, which allows them to create enterprise-class software quicker and more cost-effectively than pure coding solutions.

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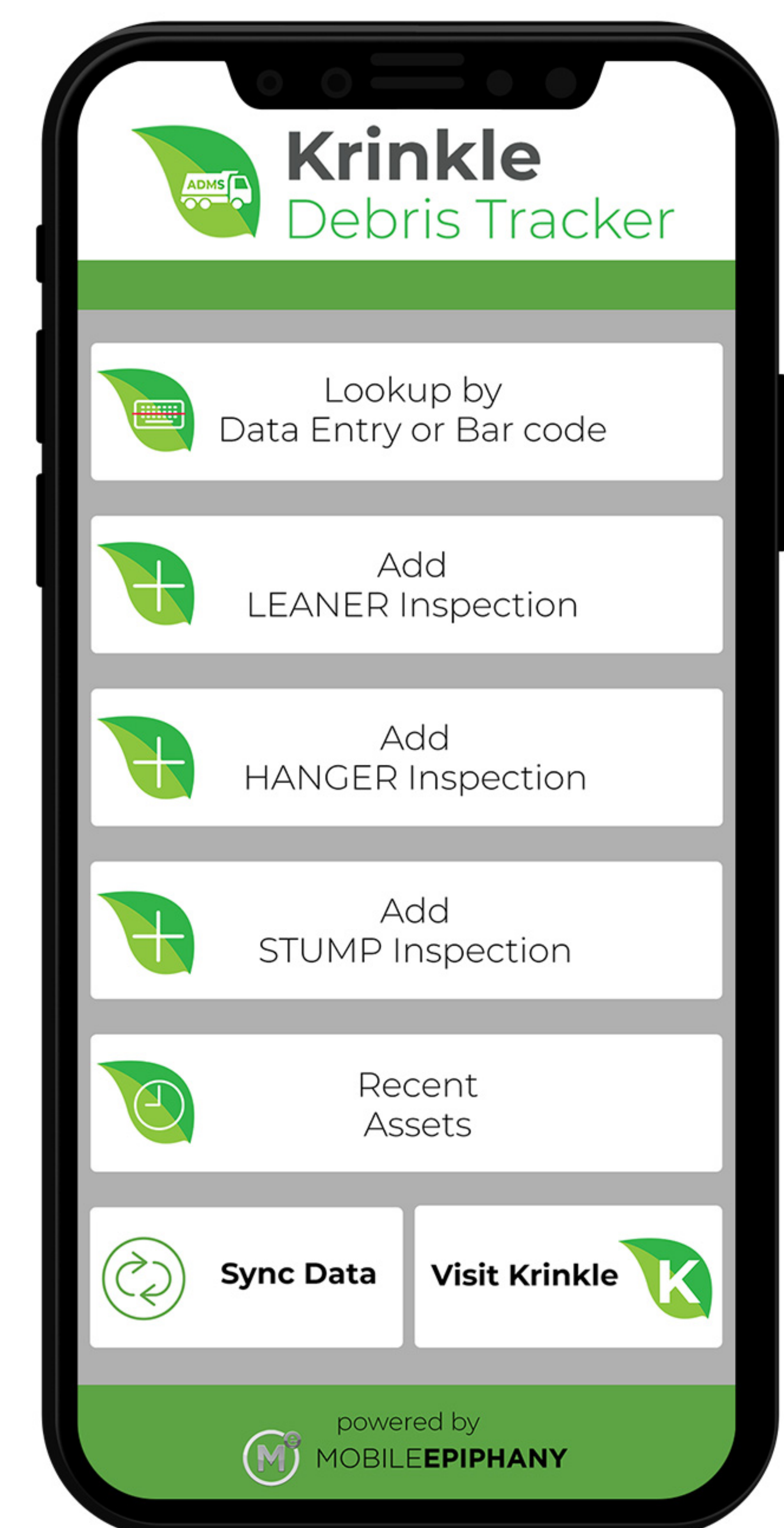
This combination of industry experts, FEMA experience and software capabilities effectively addressed our client's main process and platform concerns, leading them to deploy Krinkle Debris Tracker®.

Results of Adoption

Immediately after deploying Krinkle Debris Tracker®, our client began seeing positive results. They successfully submitted accurate daily work reports and regular payment-due reports to the state government thanks to Krinkle Debris Tracker®'s wide variety of automated reports. After the project's completion, our client reconciled all their data quickly and easily delivered timely, in-depth reporting and compliance results to close out the project. As a result of their success, they have since won multiple private property debris removal RFPs from the state of California over the last several years.

Get In Touch

Mobile Epiphany, and their Krinkle brand of mobile and back office solutions, enable businesses to create and/or adapt existing mobile solutions rapidly and cost-effectively to their business needs. Contact us today to see how Mobile Epiphany can help solve your business challenges.

Mobile Epiphany provides enterprise-class mobile applications that simplify business processes and increase operational efficiency for many different industries. Mobile Epiphany has distinguished itself from its competitors through its unparalleled service response times and its code-free rapid application configuration technology that allows them to implement mobile application projects faster and more cost-effectively than other solutions. Krinkle is Mobile Epiphany's mobile application product brand that creates out-of-the-box apps to target business challenges in industries like environmental health and safety, oil & gas, fire & life safety, cell tower construction, heavy machinery, and many more.