

SKYDOC CASE STUDY: GPRS





GPRS

GPRS, or Ground Penetrating Radar System, is a leading provider of advanced subsurface scanning and imaging solutions. Specializing in the use of cutting-edge radar technology, GPRS offers precise and reliable insights into the hidden structures beneath the surface. Their services are essential for a wide range of industries, including construction, archaeology, environmental studies, and utilities, ensuring safety, efficiency, and accuracy in all subsurface investigations. GPRS helps clients navigate the complexities of underground environments, providing clear and actionable data to support informed decision-making.

THE PROBLEM

- GPRS employs a large number of on-field personnel who use NetSuite to track and complete tasks like drilling, concrete analysis, laser scans, and saw cutting.
- Photos of job sites are taken after radar scans to highlight areas of concern, such as underground utilities, post-tension cables, rebar, conduits, and underground storage tanks, which need to be avoided during drilling.
- These photos are crucial for preventing mistakes, downtime, and costly reworks.
- Accurate documentation helps prevent:
 - Utility strikes, costing between \$14,000 and \$56,000 per incident.
 - Post-tension cable replacements, costing up to \$30,000 per tendon.

THE GOALS

GPRS needed a solution that:

- Allowed employees to easily view assigned job details.
- Enabled quick and simple capture and upload of job completion photos.
- Provided efficient, cost-effective storage for the large volume of job site photos.
- Ensured accurate and timely recording of work to improve overall efficiency and record-keeping.
- Prevented costly reworks by providing accurate documentation for project and site visualization.



THE SOLUTION

To address these challenges, SkyDoc was implemented and customized to work seamlessly with the NetSuite mobile app for the GPRS team. This integration streamlined their tasks and enhanced the efficiency of field operations. Key features of the solution:

- Seamless integration with NetSuite:
 - Direct upload of images to the job record.
 - Custom processes enabled embedding of captured photos into various PDF-based reports.
- Image capture and view functionality:
 - Employees could use mobile devices or tablets to take high-resolution photos of completed tasks on-site.
 - Image compression was applied to certain images to reduce storage size.
 - A custom process allowed viewing of these images through the mobile app.
- User-friendly interface:
 - Intuitive and easy-to-use, minimizing the learning curve for employees.
- Real-time upload and sync:
 - Images were uploaded in real-time, ensuring immediate updates to records.
 - The system synced with NetSuite to maintain up-to-date records.
- Accuracy and verification:
 - Features to verify the quality and relevance of uploaded images.
 - Employees could review and confirm images before final submission.
- Security and compliance:
 - Robust security measures to protect sensitive data and images.
 - Compliance with industry standards and regulations to maintain data integrity.
- Notifications and alerts:
 - Notifications were sent to employees and managers upon successful upload of images



THE OUTCOME

Since the implementation of SkyDoc in June 2024, GPRS has successfully stored almost 67 gigabytes of data, highlighting the system's capacity and efficiency. SkyDoc proved to be an essential tool for GPRS, offering several benefits that enhanced their daily operations and remote project management:

- Enhanced monitoring of remote work:
 - Provided detailed insights into job site activities.
 - Allowed managers and team members to stay informed about progress and issues without physical presence.
 - Real-time updates and comprehensive overviews improved communication and efficiency.
- Edge over competitors and support:
 - SkyDoc's integration with the NetSuite mobile app played a crucial role in daily operations.
 - Robust features and user-friendly interface significantly enhanced productivity and efficiency.
 - Real-time updates and detailed activity tracking were key factors in adopting SkyDoc.
- Widespread daily usage:
 - Over 445 employees rely on SkyDoc daily to streamline workflows and enhance productivity.
 - Highlighted the platform's crucial role in supporting a large and diverse workforce.
- Enhanced safety and prevention of reworks:
 - SkyDoc's detailed photos of job sites helped identify and document areas of concern, such as underground utilities and post-tension cables.
 - This accurate documentation avoided safety hazards and prevented rework by ensuring that critical information was available for safe and informed decision-making.





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