



Software Development Practice Case Study



Knipp Brothers Industries, LLC

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The parts that make up the whole of Knipp Brothers are numerous and Knipp Brothers had many manual processes, which resulted in higher than necessary labor overhead. The Knipp Brothers workforce is highly dispersed, so any technology solution has to be flexible enough to accommodate their ever-changing needs. Enter the itSynergy software development practice. Within a period of 30 days, itSynergy was able to design, architect, and implement a solution to handle all of the manual scheduling for houses under construction. The solution was multi-faceted. PocketPC and wireless Internet technology in the hands of all of the superintendents, and a web interface for reporting. The PocketPC allowed for collection of data in the field. Superintendents were also able to schedule crews, along with multiple deliveries of items like lumber, trusses, plywood and prefabricated components. Each superintendent also closely tracks construction progress on the house, and can view detailed reports on the PocketPC on items such as crew utilization, company wide delivery volume, and the status of every house under their control. The KBI office has now been able to automate their production processes with data flowing in electronically from the field. The system's secure website was used to provide any KBI user with a wide variety of reports on production, tracking, status, backlog, or any other number of subjects. Because the itSynergy team used extremely rapid development and implementation techniques, KBI was able to start realizing a return on their investment in less than 30 days.