

Smart Start Press Release

Smart Start teams with C. Pitman Baker & Assoc., Inc (CPBinc) to build the next generation ERP (Enterprise Resource Planning) system for managing operations and technology.

Smart Start, the nation's premier provider of ignition interlock systems, recently turned to a local software development firm, CPBinc, for the development of their ERP system. The new custom application streamlines the business processes by integrating various functions in the areas of operations and technology. Outsourcing this project to CPBinc has allowed Smart Start to concentrate on what they know best, and to pursue their primary objective of "separating drinking from driving".

The ERP project was kicked off with intensive design sessions utilizing CPBinc's Project Design Methodology. The entire interlock process, from installing a device to its final removal, was broken down into application functions. These functions were documented in a requirements analysis document to serve as the blue print for developing and testing the application.

CPBinc began development in May 2005. SMARTRAC was developed using MS SQL 2005 and Java 1.5. The system was deployed in August 2006 using Java WebStart, which automated the rollout to Smart Start's 400 service centers.

CPBinc was able to use open source tools to reduce development costs and shorten the project timeline. Hibernate allowed CPBinc to reduce time required to code SQL commands, typically required for RDBMS applications, and provide a robust platform for system enhancements. The user interface design was simplified by using the open source development environment NetBeans.

Systems Core features

- Integrated inventory control with repair tracking
- Auto configuration of interlock devices
- Client scheduling system
- Point of Sale (POS) system integrated with client files
- Accounting Export and Collections
- Automated interpretations of device data
- Web interface with courts / judges / probation officers
- Automated Report routing through fax, mail and email
- Data Warehousing system to store original data downloaded from interlock devices along with the interpreted reports sent to the courts.

Deployed Platform

- Java 1.5
- JTDS
- SQL Server 2005
- Javacomm serial communication library
- Hibernate O/R mapping
- JasperReports reporting engine

Smart Start (www.SmartStartinc.com) founded in 1992 and based in Irving, Texas, is operational in 30 states. Smart Start is the nation's leader in ignition interlock devices providing fully integrated manufacturing, installation, service, and reporting services.

Ignition interlock devices provide in-car alcohol breath screening and prevent a vehicle from starting if a driver's breath alcohol concentration (BrAC) is above a pre-set level. Using the interlock device prevents operation of a vehicle by an intoxicated driver.

Smart Start's clients are drivers who have had intoxication related driving violations for which a court has required monitoring as a condition to their continued driving. The devices are serviced and monitored monthly by Smart Start, at which time the driving record of the client is interpreted and reported to the judge and probation officers.

Since 1995, C. Pitman Baker & Assoc. Inc. located in Irving TX, (www.CPBinc.com) has been offering full life cycle custom design software services in the areas of E-Business, Enterprise Systems (ERP), Web Site design & development, Interactive Media Design & Development, Bar Code Scanning and RFID implementations.