



AB&R®
Identify. track. manage.

Mobility & Package Tracking Solutions with **OnTrac**



AB&R® Case Study

BACKGROUND & CHALLENGE

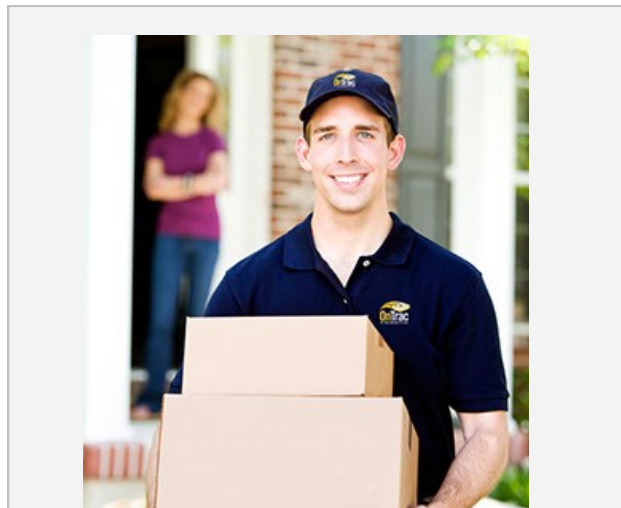
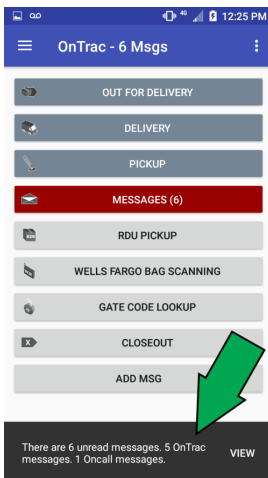
OnTrac, is looking to the future and planning to move from the Windows CE operating system to Android. Drivers would be more efficient in the field with touch capabilities on a rugged mobile devices. Their desire was to move towards a more responsive application with a user-friendly interface. In addition to the look and feel this transportation company needs to provide their drivers with more capabilities to manage and optimize their routes as well as GPS navigation.

BUSINESS REQUIREMENTS

- Application responsiveness – Improve touch capabilities.
- Better use of color – Create a more visually appealing application that’s easier to navigate.
- More effective data transmission – Reduce screen load times and prevent data loss.
- Ability to rearrange routes – Allow drivers to custom build routes making it easier to add on-call pickups.
- Google Maps integration with turn by turn navigation – Ensure address accuracy & increase route speed.
- Applying these solutions would increase delivery rates, decrease data errors, and improve overall ROI.

SOLUTION: APPLICATION DEVELOPMENT & ANDROID™ MIGRATION

One reason AB&R® and OnTrac chose the TC75 computers was that they were Android™ enabled. The Android™ operating system (OS) provides a low-cost open-source platform that’s easily customizable. This openness appeals to many businesses that are now choosing to [migrate to Android™](#) over other operating systems. Another big driver for the switch from Windows was Android’s Snackbar feature. Snackbar is a pop-up notification function on the bottom of the screen. It contains a message and a call-to-action. As seen in the image to the left, drivers can receive “Oncall” alerts for pickups that are near their route. They have the option to respond to it immediately or ignore it until later. Snackbar notifications don’t prohibit users from continuing normal app use without a response and it shifts the app screen up so no buttons are covered. A big plus when a driver is trying to finish a task.



RESULTS

Once OnTrac had the perfect devices and the best OS for the job, AB&R®’s team of programmers were able to develop the final three pieces to the puzzle. The new, more effective data transmission software caches information offline so when devices aren’t connected to the internet data won’t be lost. Cache storage clears itself as soon as an internet connection is restored and the data is sent to a database. Turn by turn navigation allows them to deliver goods more efficiently and keeps them out of heavily trafficked routes.

For an assessment on how your business can gain the benefits of this program.

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