SOLUTION FOCUS

MAKING THE COMPLEX SIMPLE

ORTUS GROUP BV USES RHomobile TO HELP HEALTHCARE TEAMS ACHIEVE MORE

PRIORITISING BUDGET

Hospitals are focused on driving efficiencies to target as much of their budget as possible on patient care. This goal has seen Ortus Group’s ‘ARTA’ mobile application used by numerous hospitals in the Netherlands. ARTA is accessed by teams using rugged mobile computers such as Motorola Solutions’ MC40 and MC55s. ARTA simplifies admin-heavy processes to save time and money. Healthcare professionals can use mobile devices or a web interface to request services, such as cleaning services or for a porter to transport a patient, and order medication. Items (e.g. beds and drips) can also be tracked and traced using ARTA through barcode scanning or by using RFID tags, while patients can use a separate module to choose their food.

ARTA removes the need for voice communications. For example, when a nurse requests the assistance of a porter, the job is flagged by ARTA on the porters’ personal digital assistants. The porter can accept the job if they’re free. ARTA also packages requests so that porters can move from one job to another in similar areas of the hospital to help them complete more jobs. The software shows the status of the job using a traffic light system to alert the porter if they’re behind schedule.

‘ARTA turns complex tasks into easy tasks. And replacing verbal communications — and the need for a dispatcher — with electronic processes saves a huge amount of time,’ says Remco van ’t Land. ‘In one hospital we work with, a central dispatch team was managing 400 requests for services a day. Originally, the verbal communication required to accept and finish a request was around two to four minutes long. So that’s 20 hours of lost productivity daily across the team. We’ve cut out the vast majority of these calls so professionals have more time to help patients and the hospital has been able to cut the size of its dispatch teams.’

RESPONSIBILITY IMPROVES SERVICES

Another key benefit of ARTA is that it empowers users. Porters can control their own schedules and make decisions about how they use their time. What’s more, the system creates a picture of how long it takes to complete certain tasks. This insight can be used to provide support to the team to ensure that everyone is achieving a consistent level of performance.

Remco observes: ‘Our customers appreciate that ARTA gives their people freedom to make decisions about how to improve productivity. But it does so within a controlled framework: the workflows built into the software are very simple but they ensure consistency in the way service requests are delivered while keeping everyone informed on task status.’

Another important aspect of ARTA is its interface.
SIMPLICITY BY DESIGN
As everyone has differing levels of IT skills, ARTA is designed to be very simple. Easy drop-down forms enable professionals to request services in a few seconds, while staff can accept and confirm that tasks are complete at the touch of a button. Motorola Solutions’ RhoMobile app development platform has played a lead role in ensuring that ARTA is so easy to use.

A BROWSER FOR THE MOBILE APP
Ortus Group is using RhoMobile in a slightly different way to that of many developers as Remco explains: ‘Our apps are very easy to use and we achieve that by providing simple menus and task management through a standard web browser. Our users simply log in and the web browser opens up. The browser is actually RhoElements, which we’ve customised to our brand so customers don’t even know that they’re using RhoElements but they love the functionality.’

RhoElements includes pre-configured components to easily link the software to the features built into the rugged mobile computers used by teams. These include icons for the scanner, camera, Wi-Fi signal, battery life and more. The browser ‘Window’ looks identical across devices (Rho automatically resizes it) and adding a new feature is as easy as selecting it and integrating it with the application using RhoElement’s pre-configured features. The window includes icons for critical information – such as battery life and Wi-Fi signal strength – that are constantly displayed without having to refresh the web browser connection.

Remco concludes: ‘Within RhoElements, when you’re walking around you can immediately see that you don’t have a Wi-Fi signal. This indicator can be placed anywhere inside the screen, which is a unique capability compared to usual web browsers. And, as a developer, what I love most is that the viewable screen size and position of icons automatically scales to a device’s screen. So if you’re developing for, say, 15 different Android products, your users will enjoy a similar look and feel – without you needing to amend the software. This represents a significant time saving. Add the fact that you can customise the browser, so that for all intents and purposes it’s your own app, and RhoElements should be the browser of choice for developers.’

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RhoMobile
RhoMobile is the better way to develop mobile apps. The powerful line-up of development tools includes:

• RhoElements: A cross-platform development framework. Highlights include: development tools integrating all the clients for any devices running a RhoMobile application; support for SQLite for local storage of programming data; and interfaces for a range of services (e.g. barcode scanning signature capture, file transfer and more).
• RhoConnect: The fastest and easiest way to integrate back-end business data into mobile apps
• RhoHub: A range of hosted services that simplify mobile application development and deployment
• RhoGallery: Your place to securely store, deploy and manage mobile apps
• RhoStudio: A simple but comprehensive tool for application development, debugging and testing

With RhoMobile you can develop once and roll out your HTML 5 apps on any device and operating system: it’s the straightforward way to create great apps easily, quickly and cost-efficiently.

For more information on how Motorola Solutions’ RhoMobile can make your application development programs easier and more cost-efficient, please visit us on the web at www.motorola.com/Business/XU-EN/Business+Product+and+Services/Software+and+Applications/RhoMobile_Suite or access our global contact directory at www.motorolaspensionsolutions.com/contactus

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