



## R5 Application Suite

Automate AMI deployment Best Practices learned from over 10 M smart meter installations and field retrofits.

- **webR5** - a browser based application for building field service routes, assigning the routes to installers, and reviewing quality and progress reports.
- **mobileR5** - WinCE application for occasionally connected handheld computers used by field personnel to execute work orders in routes built on webR5.
- **auditR5** – occasionally connected WinCE handheld computer application used by field supervisors to audit smart meter conversion quality.



## R5 APPLICATION SOLUTIONS

*The R5 hardware and software field service tools are specifically designed to minimize data collection errors at the point of data entry. R5 can be purchased, leased, or rented in pre-configured easy to implement solutions to meet cost goals for any size AMI project.*



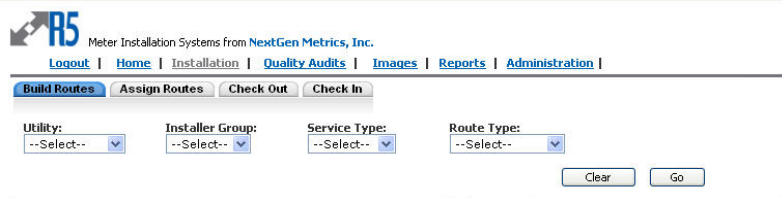
**NextGen Metrics, Inc. R5 Tool kit** was developed to fill the need for flexible, automated smart meter deployment tools supporting any deployment rate. Rent our handhelds and use hosted software with simple, manual XML file integration for pilots or test cases or implement CIM standard integration solutions with systems hosted on your site for higher volumes. The R5 toolkit and NGM closed loop meter conversion and maintenance processes are cost effective at any deployment rate or volume.

R5 is a scalable and easy to integrate solution to help assure your smart grid project is completed quickly, accurately, and at the lowest possible cost. After initial deployment, the R5 tools can be used to cost effectively manage normal maintenance, manual meter read verifications, and battery replacement programs.

**R5 Features** a scalable service oriented architecture that supports occasionally connected handheld applications. Data is replicated between the webR5 server and local handheld application databases via wireless TCP/IP. No handheld cradles, no waiting to pull data. Data and meter checkin/out processes occur quickly with a database synchronization process that efficiently extracts the day's route results and set ups for the next day. Efficiency at this critical bottleneck step significantly improves the number of daily installations/person over cradle and PC synchronization based systems.

Built for operation on ruggedized handhelds to reduce the risk of data or work loss for improved field efficiencies and quality. Data is stored on removable flash memory so if a handheld is destroyed, the data is likely recoverable and easily loaded to a new handheld to continue the work day.

### Build first visit routes from Read Routes and Read Sequences



**webR5** the core of the R5 toolkit applications. Manage users, reports, and the field service routes with webR5.

- Build first visit routes from read routes and read sequences.
- Manage clean up and skips with route building tools and reports.
- Check installers in and out to assure field data capture is complete and timely.

### Imaging resolves closing read issues and adds closing read audit capability



### Field Audits assure Quality

**mobileR5** a MS WinCE .NET application for portability on ruggedized handhelds. Manages execution of daily work route and work order data collection.

- Local database synchronized with webR5 over wireless TCP/IP.
- Authentication for secure control of work order private information.
- Bar code reading, location based services and on board cameras improve data accuracy.

**auditR5** a MS WinCE .NET application designed to run on ruggedized handhelds like mobileR5. A field supervisor application for confirmation of field service quality.

- Best practice out of the box survey questions or configure your own.
- Randomized work order selection.
- Automatic data compilation and reporting by Project, Installer team, and Installer.