



POWERpin Voucher Management

The advent of mobile technology has facilitated an expectation by end-users who want to transact against their prepaid utility accounts from locations other than a municipal office or local vending stations. The information system is expected to be highly available i.e. constantly connected to the respective vending servers throughout the day as opposed to the local municipalities and designated local vending stations that closed for the day. The POWERpin Voucher Management System for POWERcard and POWERpins was developed to meet this requirement, to provide the end-user with an interface for transacting against his prepaid utility account using mobile technology i.e. cell phones.

The POWERpin Voucher Management System has been diligently serving the prepaid utilities industry for many years.

The POWERpin Voucher Management System was initiated to meet some of the following requirements:

- The ability to communicate with PowerHub, Conlog's XMLVend gateway, which provides an interface to various vending systems such as the Ultima Vending Server and Eskom Vending Server.
- Communication between the end user and the vending information system in a disconnected environment.
- High Availability (24/7): The solution is hosted as a standalone array of Web and Windows services. Always running and without user interface, these systems require no user intervention to perform their function.
- Revenue Collection: A means for collecting revenue is also required, as monies cannot be exchanged as they would in a typical prepaid sale at a vending station. This is solved through the creation and

distribution of pre-paid vouchers. Vouchers are created having a monetary value, and sold to merchants at a discounted rate. The merchants then resell the vouchers at face value to the end user. The voucher contains a unique encrypted key. This key is used by the end user to redeem the utility value from his municipality via POWERpin Voucher Management System.

The POWERpin Voucher Management System is a web based application that is easily accessible. Operators will require access to a computer with the supported operating systems described above and internet/intranet access, as an added advantage the site can be accessed from a smart phone or tablet.

Locally, in South Africa, the system is provided as a Service. Municipalities would need to simply order the POWERcards from Conlog, then activate them and distribute to merchants in the area. Utilities can also benefit from using Conlog's 3rd party network of distributors who are able to provide POWERpins to end Consumers. This process is a post paid model and all sales are reconciled on a monthly basis.

International customers may licence the product which is then installed and configured on their environment. Conlog is also able to offer in-country hosting Solutions for international Customers.



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Conlog

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