

Shimmy



Product Description

Version 014-1215
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Introduction

This document is the Product Description document for Shimmy from Carnego Systems Ltd. It provides a description of the main product features, details of the Shimmy Screen and associated information.

This document is provided for information. It does not form part of any agreement between Carnego and its customers unless explicitly stated in agreed set of contract terms and conditions. Where there is any disagreement between this document and an agreed set of contract terms and conditions, the statements within the agreed contract terms and conditions take preference.

Overview

Shimmy is a home based system to provide real-time data and information to residents. It is primarily designed to support complete communities rather than individual houses and as such is offered for sale to developers / owners / designers of both new-build and existing housing. There is no minimum number of houses that can be supported but it believed to be most effective for 10+ homes in a clearly defined community. The principal target group is communities of 100+ homes.

Shimmy is a cloud-based internet application. Data is collected from a number of sources (including residents' houses) and stored in a cloud-based database. The live data (and static information) is then used to provide a tailored resident interface. This interface can be normally accessed via a dedicated Shimmy Screen within the home. It can also be securely accessed online via computer / smartphone etc.

There are also a range of management and admin features that allow Carnego and its client to manage and monitor the usage of the system and provide capabilities for updates. As the system is internet based, the content and capabilities of the system can be expanded remotely without the need to upgrade or reinstall devices in the home.

The Shimmy application runs in the cloud. There are 2 dedicated apps that run in background on the Shimmy Screen but these are only to facilitate the monitoring of the device and future upgrades.

Shimmy Screen

Device

The Shimmy Screen device is a standard Android tablet. The recommended range of sizes are 7", 8" and 10" from major manufacturers. The tablet should have a forward facing camera (i.e. facing the user) for all features to be supported..

Mounting

The Shimmy Screen can be:

- permanently mounted via a fixed wall bracket
- demountable via a fixed wall bracket that allows for device removal.
- shelf / table-top via a cradle / mount (with power connection to standard 230V socket)

Data Management

Data is stored in a secure, 'cloud-based' database.

Personal information (if any) is not stored in the same database as home details, energy data and other data.

Access to the stored data is provided for designated users only and is subject to a terms of access statement.

Further technical details of data structure, API, backup / archive etc. can be supplied to customer technical representatives upon request.

Product Feature Summary

Home Energy Management & Behaviour

Home Energy Management & Behaviour		
Electricity Meter Data Management & Display	Collection of metering information. Details of meter interface to be agreed on case-by-case basis. Includes support of PV generation information where appropriate. The intention is to support SMETS2 smart meter integration as this technology is deployed in the UK.	√
Gas Meter Data Management & Display	Collection of metering information. Details of meter interface to be agreed on case-by-case basis. The intention is to support SMETS2 smart meter integration as this technology is deployed in the UK.	√
Water Meter Data Management & Display	Collection of metering information. Details of meter interface to be agreed on case-by-case basis.	√
Heat Meter Data Management & Display	Collection of metering information. Details of meter interface to be agreed on case-by-case basis.	√
Multi-Energy Visualisations	Multi-visual representations of energy usage based on behavioural research (i.e. not a single interface display)	√
Code for Sustainable Home	Supports ENE3 requirements (2 credits possible)	√

Communication & Community Development

Communication & Community		
Bus Information		
Community messaging	Exchange of messages between groups of homes and between homes and owner/landlord.	√
Community calendar	Integration and display of community calendar via Google calendar and /or other mechanisms.	√
Classified Community Ads	Classified ads board similar to boards often found at rear of supermarkets.	√
Home Information	Integration of information about the home, the systems within it and how it should be used. Text, images and video all supported. Recommended to be used for 'How To' videos for residents.	√
Internal environment sensing	Collect, storage, analysis and display of internal environment data (e.g. temp, humidity). Requires additional in-home sensors.	√
Community information	Local community information (vast range of potential sources).	√
Notes & reminders	Reminders can be created in house using 'sticky pad'.	√
Alerts	Alerts can be provided ad-hoc or scheduled by developer / owner.	√

Transport

Transport Information		
Bus Information		
Real-time information	Real time feed showing 'next bus' information for routes serving the development utilising transport provider published via UK government arrangements.	√
Timetable information	Fixed (but updatable) information showing 'next bus' information for routes serving the development.	√
Custom solution	Integration with customised vehicle tracking applications.	√§
Link(s) to transport provider information	Links to web-based info from transport providers	√
Road Traffic Information		
Local traffic information	Real-time feed from local publishers of live traffic information	√
Major road network traffic information	Real-time live information on conditions on major road network.	√
Local Car Park Occupancy	Real-time occupancy levels in local car parks. Dependent upon data collection & publication by car park operator.	x
Cycling Information		
Local cycling maps	Viewable maps from local sources	√
Cycling workshops	Details of workshops that can be co-ordinated with local providers	√
General information	Other relevant information	√
Walking Information		
Local walking route information	Viewable maps and route information from local sources	√
Routes to Schools	Any recommendations published by local schools / authorities on the best ways to walk to school. Information on any school walking clubs etc.	√
Journey Planning / Decision Making		

Online journey planner	Connection to UK government online journey planner.	√
Transport carbon calculator	Link to carbon calculator for journeys by various modes.	√