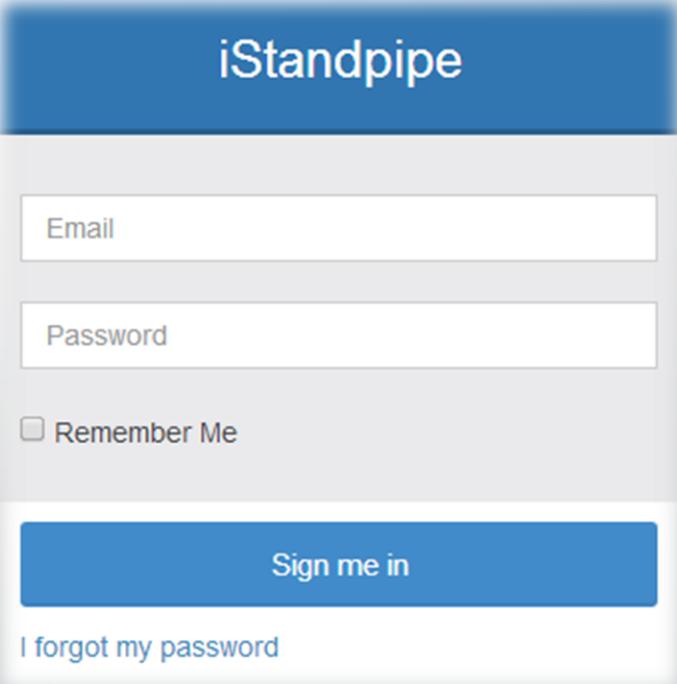# Standpipe

Software package

Smarter Ctrl

# Overview

The Standpipe software package is a set of applications running on top of the physical standpipe installation to provide easy, fast and reliable remote access to the standpipe and necessary management tools.

It consists of several applications providing a user interface to the end user as well as backend logic for internal processing of the whole enterprise installation.

The purpose of this brochure is to provide a functionality overview of the Standpipe solution along with a brief technical architecture.

# Functionality

- 24/7 remote access web access

- Customer & Access cards management

- Water usage statistics

- Remote standpipe management and monitoring tools

- Prepaid & Post-paid functionality

- Reporting interface

- Self-care module

- Fire mode

- Invoicing module

iStandpipe

Email

Password

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I forgot my password

# 24/7 remote access web access

Smart City standpipes can be accessed 24/7 using a user-friendly web interface which gives the user flexibility to remotely support customers whenever needed as well as change settings or monitor the status of the standpipe.
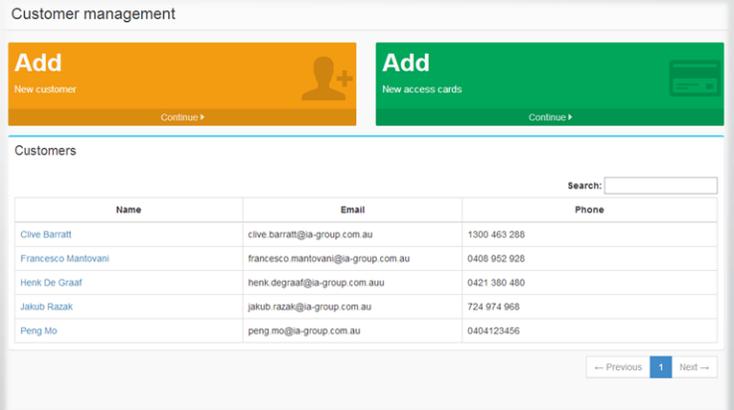
Since the standpipe is using the latest available and most reliable technologies in the market, it supports access from mobile devices such as Smartphones and Tablets.
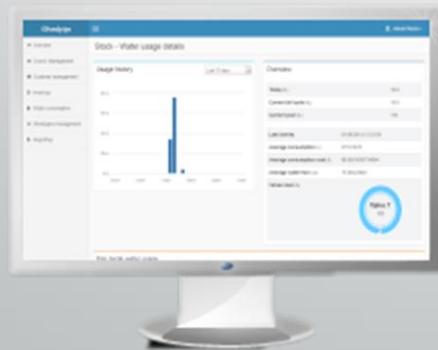
# Customer & Access Card management

The Customer & Access Card management system gives the users tools to easily manage all customers and access cards in the system across all the standpipes from one place. This includes:

- Customer operations (create, modify, delete)

- Assigning access cards to the customer

- Monitoring usage of each customer/access card

- Adding credit to access card

- Maintain invoices individually for each customer

# Water usage statistics

All the water usage from all standpipes is synchronized with the central server which allows us to provide the user with detailed water usage statistics and breakdowns.

- Several statistics reports for each standpipe in the system

- Breakdown for each customer and access card

- Water usage history

- Fire mode water usage report
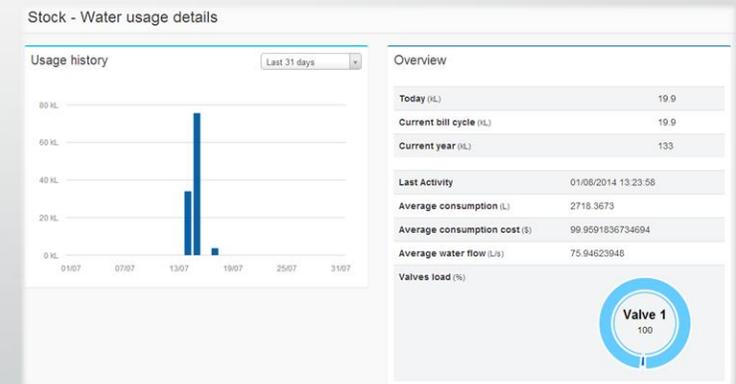
# Remote management & monitoring

Thanks to 24/7 access it couldn't be easier to access, manage and monitor each standpipe in the system. There are several tools available as part of remote management & monitoring system including:

- Remote settings management (e.g. changing cost per litre)

- Alarms and events reporting

- Logging all the standpipe modification for backtracking

- Voltage & Data usage status

- Live monitoring of usage

# Prepaid & Postpaid

Each access card in the system can be either Prepaid or Postpaid.

| Prepaid |
| --- |
| Credit based |
| Shared credit across all standpipes |
| No invoicing at the end of billing cycle |

| Postpaid |
| --- |
| No credit |
| Usage payable at the end of billing cycle |
| |

# Reporting

The reporting module serves as a tool for exporting data from the Standpipe system. The following reports are available by default:

- DATALOG report containing water usage data

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1/08/2014 11:23 | Jakub Razak | 2478181 | Stock | 3100 | 62 | 51 | 31 | 60 | 0.02 | 1 |
| 1/08/2014 11:25 | Jakub Razak | 2478181 | Stock | 700 | 14 | 58 | 7 | 12 | 0.02 | 1 |
| 1/08/2014 11:27 | Jakub Razak | 2478181 | Stock | 5500 | 110 | 183 | 55 | 30 | 0.02 | 1 |

- VOLTAGE report

| | | |
|---|---|---|
| 15/07/2014 15:09 | Stock | 12.29 |
| 15/07/2014 15:39 | Stock | 12.5 |
| 15/07/2014 16:09 | Stock | 12.34 |
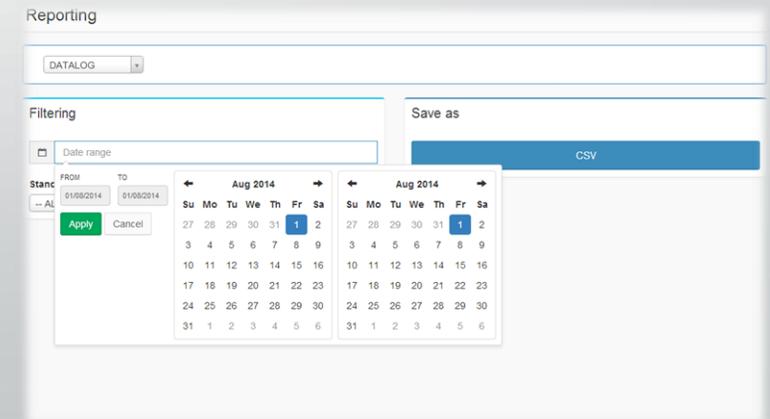
# Self-care

Self-care is a web interface which is accessible by end customers and provides them an overview of their usage, necessary standpipe information and invoices with status of payment.

# Fire mode

Fire mode is a very handy functionality in case of fire emergency when water needs to be available for firefighters. Fire mode can be enabled remotely via the web interface and changes the mode of the standpipe so no swipe card is required to open the valve. As soon as Fire mode is no longer needed it can be easily disabled in the same way.
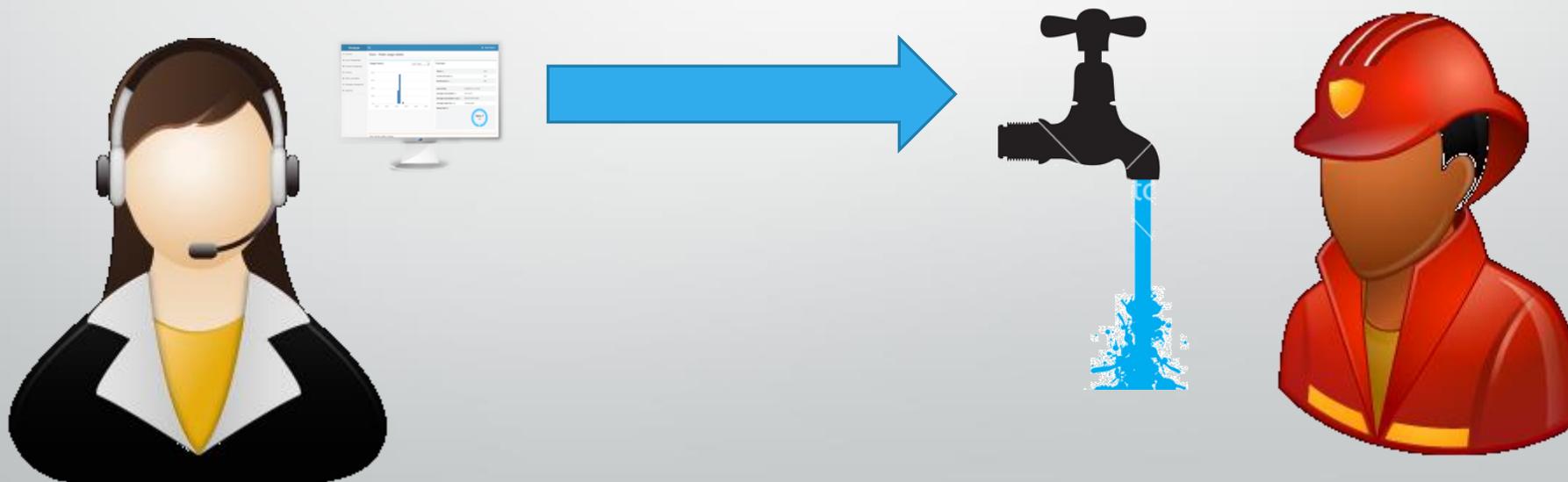
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