Key Features continued

Landis+Gyr Dual Fuel Solutions

+ The unique traffic light functionality of the demand display indicators give the consumer a visual indication of how much energy is being used. When high consumption levels are in use a Red indicator is displayed to the consumer. This encourages the user to turn-off unnecessary appliances in an effort to reduce usage. Reducing energy usage changes the display indicator to Amber (medium usage) or Green (low usage).

Libra 310 Gas Payment Module

+ The Libra 310 Communication module provides Smart Metering functionality to the Landis+Gyr E6V Electronic domestic gas meter.

+ Used in conjunction with the Landis+Gyr dual fuel solution the module provides the consumer with consumption information on current and historic usage values.

+ Using Low Power Radio as a communication medium the gas meter sends readings to the 5236 elcetricity meter at half hourly intervals, during this communication phase the module receives any new configuration or actions to be performed that have been sent from the utility.

+ The gas meter is fitted with an operational valve which allows the gas flow to disconnected or reconnected via a message from the utility software. Tamper attempts at the gas meter can be used to invoke the opening of the gas valve, when such action is performed a notification is also sent to the back office.

Back-Office AMM System

+ Innovative AMI Back Office technology is at the heart of the Landis+Gyr Dual Fuel Solution. The utility driven software couples the most advanced Prepayment functionality with state-of-the art data acquisition infrastructure and remote meter management capabilities.

+ The utility is in full control of the meters in the field with the ability to perform scheduled reads of meter data for Gas and Electricity meters, together with the capacity to update, configure and manage the meters remotely. This brings benefits to the utility including accurate billing, load profiling and reduced site visits.

+ The AMM system can be easily integrated into the Utility's existing software architecture using a number of different integration techniques, including mimicking current industry flow formats.

+ The prepayment functionality allows the consumer to purchase credit via multiple payment channels, including point of sale, mobile phone or web. Once a purchase has been made the AMM system will sent the credit value to the meter via an SMS message. This tokenless method of payment transfer makes the Landis+Gyr Dual Fuel solution the leadings system in today's energy market.
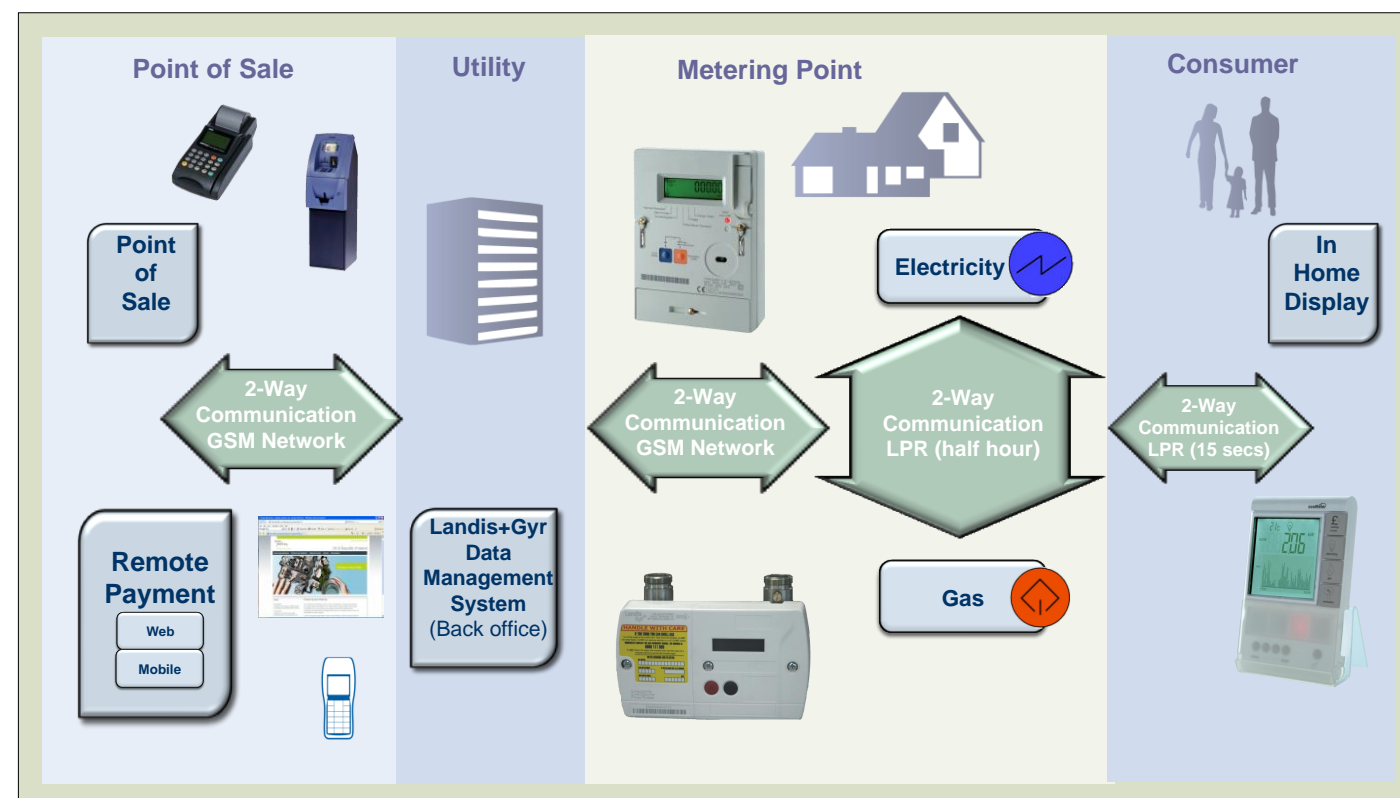
Landis+Gyr
Smart Dual Fuel Solutions for prepayment

Benefits

Landis+Gyr Smart Dual Fuel Solutions for prepayment

Benefits of a Smart Dual Fuel Solution

+ The UK energy Industry is currently experiencing many issues including misdirected payments, inaccurate billing, meter tampers, incorrect or less flexible tariffs, difficulty in reconciling final bills and performing change of tenancy. To alleviate the industry of some of these issues and to enable the industry and consumer to 'Manage Energy Better' Landis+Gyr have produced the Smart Dual Fuel Solution.

+ Designed to solve the problems associated with existing Prepayment technologies, and to support multi application utilities the Landis+Gyr Smart Dual Fuel solution uses SMS messaging over the standard GSM network to provide Tokenless Prepayment, Remote Meter Reading & Programming for both the Electricity and Gas meters.

+ To empower the consumer and encourage them to reduce household energy consumption the dual fuel solution includes the ecoMeter Home Energy monitor, which provides the consumer with accurate consumption and cost data for both electricity and gas, and includes Carbon Consumption information.

+ The back office AMM system supports full two-way meter communication to facilitate accurate and timely data acquisition as well as remote control of metering functions. This includes support for change of tenancy, updates to customer tariffs, retrieval of customer reads and remote disable/re-enable of supply for both devices.

Benefits

Point of Sale | Utility | Metering Point | Consumer

Point of Sale

Remote Payment
Web
Mobile

Landis+Gyr Data Management System (Back office)

2-Way Communication GSM Network

2-Way Communication GSM Network

2-Way Communication LPR (half hour)

2-Way Communication LPR (15 secs)

Electricity

Gas

In Home Display

Key Features

Landis+Gyr Dual Fuel Solutions

5236 Tokenless Smart Prepayment Meter

+ The Landis+Gyr 5236 Smart Prepayment meter uses the SMS messaging functionality to send and receive configurations and read data to the back office system. The 5236 electricity meter is fitted with an SMS SIM card to communicate with the back office software, and is also fitted with a Low Power Radio module which acts as the communication gateway between the Libra 310 gas meter and the ecoMeter Home Energy Monitor sending and receiving data accordingly.

+ The meter is capable of operating in a wide range of tariffs including Time-of-use, Block Tariffs, or a combination of both.

+ Tamper and disconnect features are supported within the Landis+Gyr Meter, if a tamper is detected in the meter notification is sent back to the utility software defining the type of tamper that has been detected, examples include; Reverse operation, SIM Flap or Carriage tamper, and Meter Cover removal.

+ The disconnect function within the meter is used to open circuit when the customer runs out of credit, it can also be used to support the tamper functionality of the meter.

+ The meter also supports Holiday Dates and Friendly Periods to ensure that the meter will only disconnect the customer at a period that is sociable to the consumer.

ecoMeter Home Energy Monitor

+ Designed to inform and educate the home energy monitor empowers the consumer to be aware and in control of their energy usage. The user can use the monitor to view current and historic cost and consumption details for both electricity and gas usage.

+ As well as displaying energy consumption details the ecoMeter contains a function which will calculate and display the amount of CO_2 that is being produced by the consumer.

5236 Tokenless Smart Prepayment Meter

ecoMeter In Home Display Monitor

Libra 310 Gas Meter