



c|side

GAS CONSUMPTION

CSide, Intelligent Solutions

The Gas Consumption Application is a solution designed for service providers to engage their customers and reduce churn. Consumers now expect a greater insight into their gas usage, and this application meets those technological expectations.

This application offers knowledgeable charts on gas consumption and personalised efficiency tips, as well as estimates of future usage. It also allows each consumer to virtually change the current tariff to see how it affects the costs from that day on.

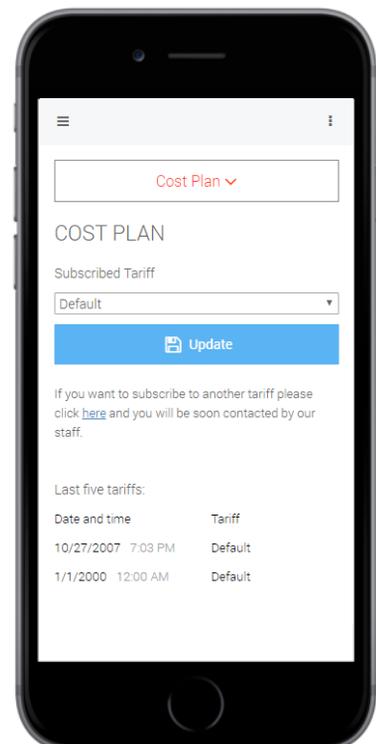
There is also a small survey that consumers can answer so that saving recommendations and charts involving gas profiles can be more personalised, and therefore more useful.

FEATURE LIST

The following key features are included in the Gas Consumption Application:

- ✓ Strategy to underpin a phased migration to smart meters since all customers can use the application: consumers with traditional meters can insert their readings into the platform and access a multitude of services that are upgraded to premium once data is received in real-time¹;
- ✓ Consumption charts that show gas in m3 or cost that can be filtered by day, week, month or any custom interval;
- ✓ Comparison charts that show current consumption against past consumption (filtered by week and year);
- ✓ Estimated gas consumption breakdown that shows which devices use more gas;
- ✓ Trend and consumption forecast charts that show estimates of how much gas will be used in the present month;
- ✓ Gas efficiency tips that are customized according to the consumer's gas profile;
- ✓ Survey to understand the consumer's gas profile – the way gas is used and what type of devices are installed;

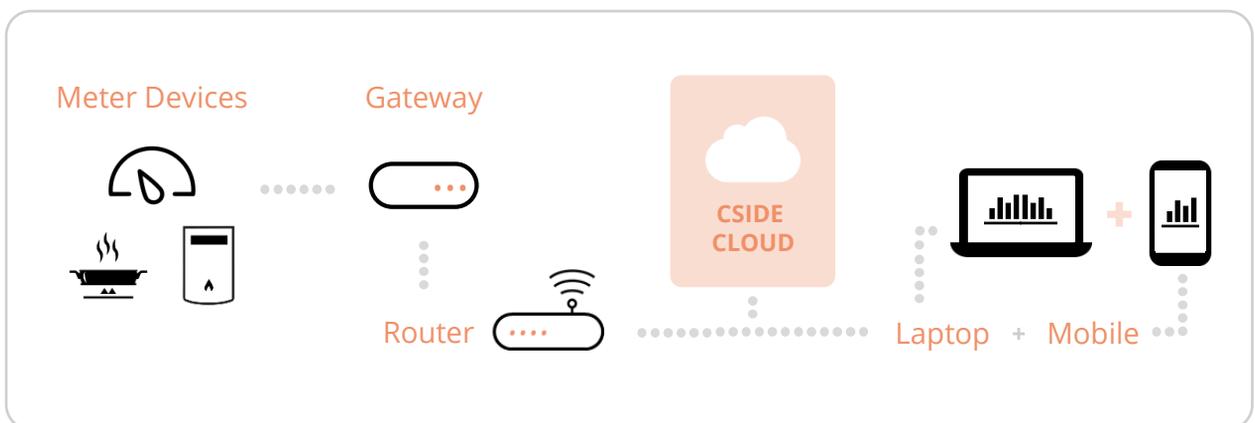
¹ Depends on the type of smart meter deployed and on the connection between the database and smart meter.



- ✓ Brief explanation of what 1 m³ means so that consumers are more aware of the way gas used is measured;
- ✓ Meter readings history in case readings are submitted manually through the platform;
- ✓ A Cost Plan page that shows the current tariff and lets the consumer virtually change it to compare the associated costs.

HOW DOES IT WORK?

The Gas Consumption Application uses meter readings to process consumption patterns and suggest ways to save gas. It can use readings from external databases, smart meters or readings inserted by users into the platform. These values are sent to the CSide Cloud to be processed and analysed, and then shown in the portal that is accessible from any internet-connected device.



TECHNICAL DETAILS

DEVICES

The use of devices is not compulsory, but the application also works with Smart Meters, Gateways, AMI, Readings Database, Clamps and Smart Plugs.

CONNECTIVITY

When using a Gateway, the connection to the various devices can be done through ZigBee/Z-Wave, Power-line Communication, Wi-Fi and 3G and 4G.

DATA GRANULARITY

The data granularity depends on the frequency readings are made, but starts at 15-min intervals.

SERVICE DELIVERY PLATFORM

The Gas Consumption Application is built into the Service Delivery Platform (SDP) as one of its many vertical solutions. The various applications within SDP work in parallel and each service can be activated or deactivated according to the needs of each customer.

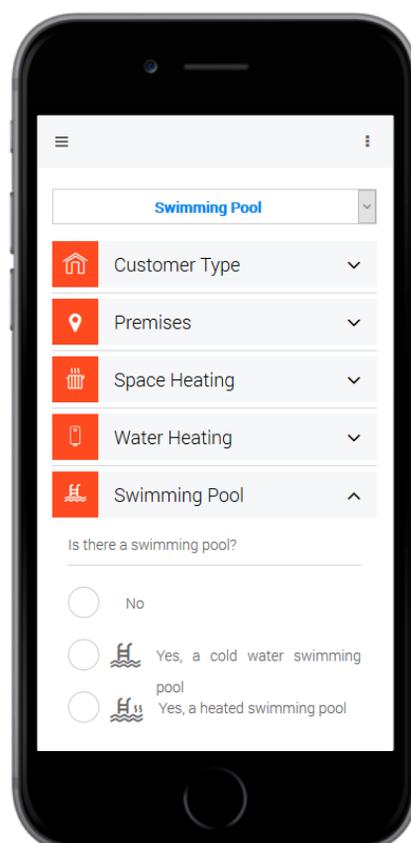
SDP provides value-added services from gas, electricity and water management to advanced automation, cloud-based video surveillance and even heating management. Back office maintenance and operation tools ensure a great experience while managing thousands of customers.

BENEFITS

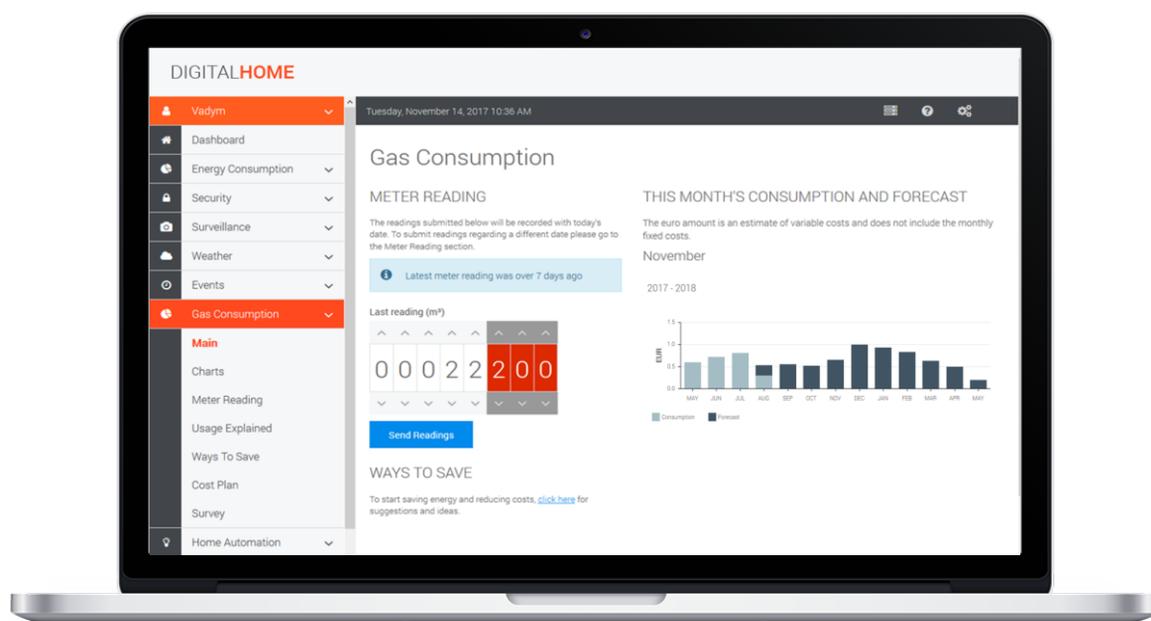
UTILITIES This application benefits service providers in several ways, for instance, the analysis of gas consumption allows for marketing campaigns to push efficient appliances as a way for consumers to lower their bills. This type of interaction increases user engagement and decreases churn.

The application works with both real-time metering data and readings inserted manually into the platform, which makes it a solid product that helps consumers interact and understand their gas consumption.

Finally, and since the Gas Consumption Application is part of the SDP, this offer can be complemented at any time with any of the other services offered by the platform, for instance, advanced automation and heating management.



CUSTOMERS There are several benefits to consumers, starting with knowing and understanding how their gas is used. Learning which devices are consuming more gas and what daily habits should be changed to achieve more savings is the only way to be more efficient and save money.



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