



**c|side**

# SECURITY

CSide, Intelligent Solutions

Increasing crime rates and acts of violence are unfortunate circumstances that cannot be foreseen. But even accidents that result in fires and floods cannot be prevented timely unless someone is at the premises, which makes prevention the best course of action.

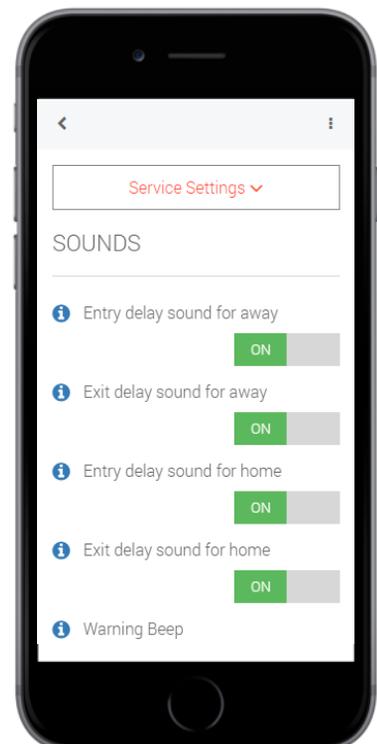
The Internet of Things has made it easier to set up a smart security system to remotely control door and window locks, and a variety of sensors/detectors using a smartphone. Smart security systems are highly customizable and available as do-it-yourself kits.

Our modern Security Application consists of smart devices such as smoke detectors connected to a central hub (gateway) from which the system is controlled. The platform has an intuitive user interface that can be interacted from any device connected to the Internet (laptop, smartphone, etc.).

## FEATURE LIST

The following key features are included in the Security Application:

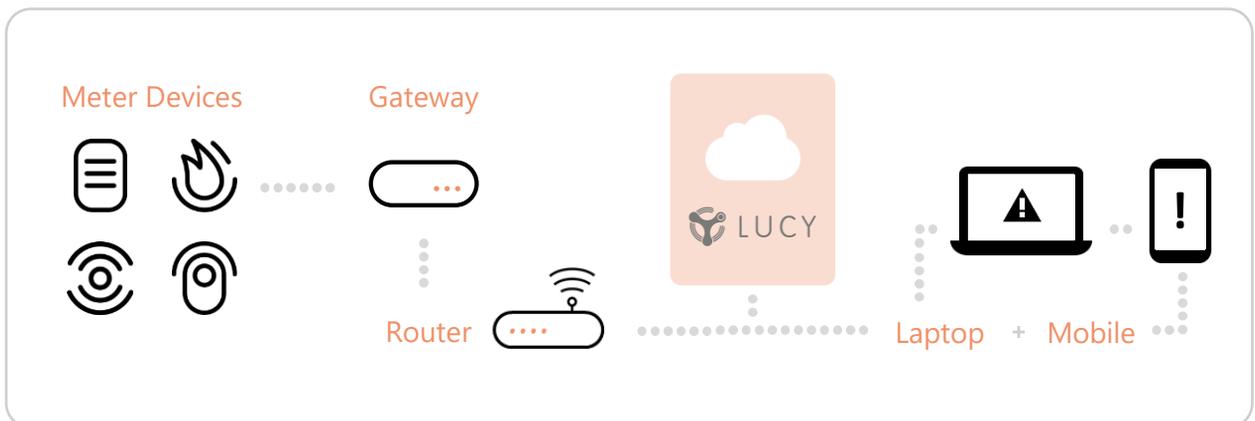
- ✓ Remotely control the status of smart devices (sensors), such as motion sensors, flood detectors, panic buttons, etc.;
- ✓ Remotely arm or disarm the system (fully or partially);
- ✓ Receive notifications every time an alarm occurs;
- ✓ The gateway can be configured to make sound for some situations, for example, for exit delay;
- ✓ Check the battery status of each sensor and gateway;
- ✓ Set the pin to arm/disarm the gateway and set different pins for different users;
- ✓ Set different attributes to sensors so that they have different behaviours when an alarm is triggered (burglary, medical emergency, etc.);



- ✓ Choose different timings, such as the duration of an alarm and time to exit after alarming the system;
- ✓ If the LUCY "Events" applications is added to Security, it is possible to set rules for the alarms, such as getting notified when the battery of a sensor is low.

## HOW DOES IT WORK?

The Security Application controls smart appliances remotely to secure consumers' home and assure they feel safe at home or at the office. Smart appliances include motion, flood and smoke sensors, panic buttons, door/window sensors, etc. These communicate with a central gateway using different protocols, such as Wi-Fi, RF and Z-Wave. Once all devices are connected, consumers can interact with them through the online portal powered by LUCY.



## TECHNICAL DETAILS

### DEVICES

The devices needed depend on what is to be secured but include Smoke/Flood Detectors, Motion Sensors, Panic Buttons, etc.

### CONNECTIVITY

When using a Gateway, the connection to the various devices can be done through RF, ZigBee/Z-Wave, and Wi-Fi.

### BATTERY LIFE

Some of these devices are AC/DC powered so those will be always online. The battery-operated devices should last for 2 years.

## LUCY PLATFORM

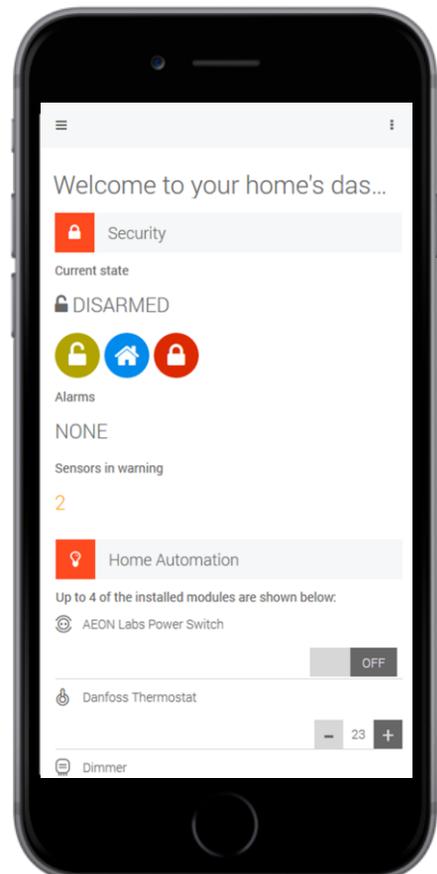
The Energy Production Application is built into the LUCY Platform as one of its many vertical solutions. The various applications within LUCY work in parallel and each service can be activated or deactivated according to the needs of each customer.

LUCY provides value-added services from managing energy consumption and production 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.

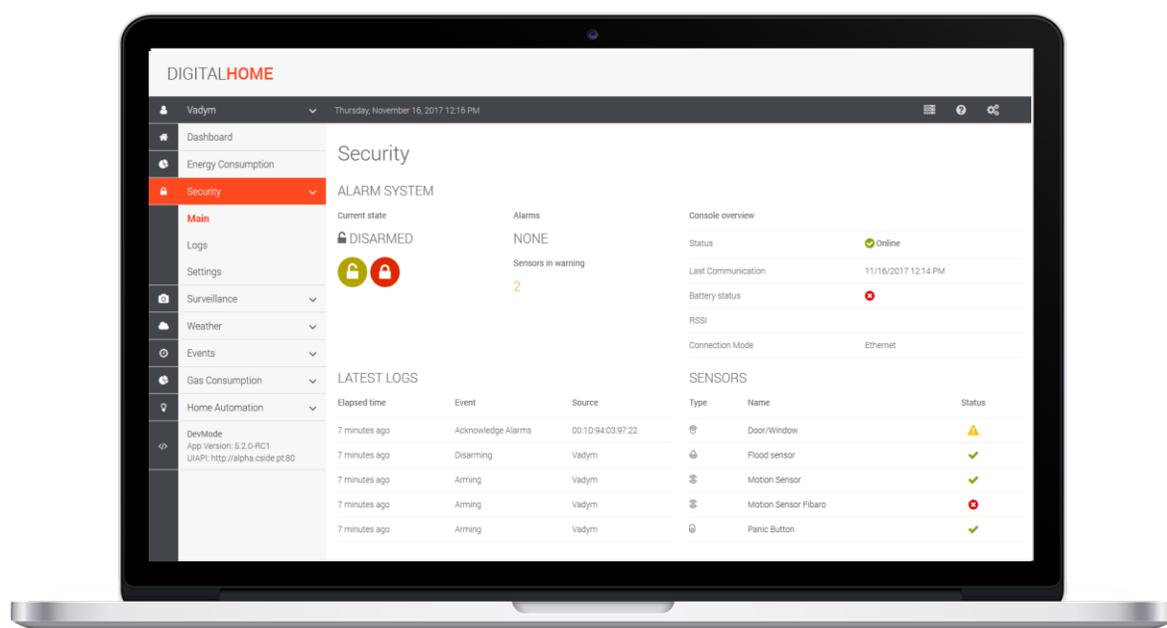
## BENEFITS

**UTILITIES** The Security Application benefits utilities greatly by increasing customer engagement and therefore decreasing churn. Consumer engagement needs to go beyond the marketing function, consumers want to know about security and interact with their smart devices as much as possible. Customers' expectation is rising rapidly and this product meets their increasingly demanding expectations.

Finally, and since the Security Application is part of the LUCY, this offer can be complemented at any time with any of the other services offered by the platform, for instance, events, advanced automation and energy management.



**CUSTOMERS** There are several benefits to consumers, starting with knowing that their homes are fully protected and they can use their smart devices to monitor the premises from anywhere. A smart security system offers incomparable peace of mind and having all smart devices under the same platform increases the consumers' satisfaction and offers the experience they are looking for.



## CONTACTS

### Website

<http://www.cside.pt>



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