SMART HOME
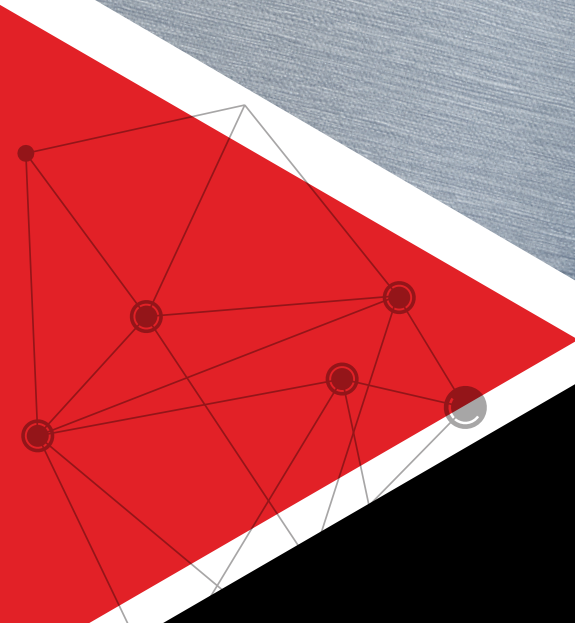
Utility Solution

IoT.nxt

bridging the edge

Home automation and consumption monitoring solutions are generally expensive and tend to rip and replace. Horizontally integrated home solutions with no retrofit do exist. However, increased home security and utility usage monitoring and control needs to become more accessible in South African homes.
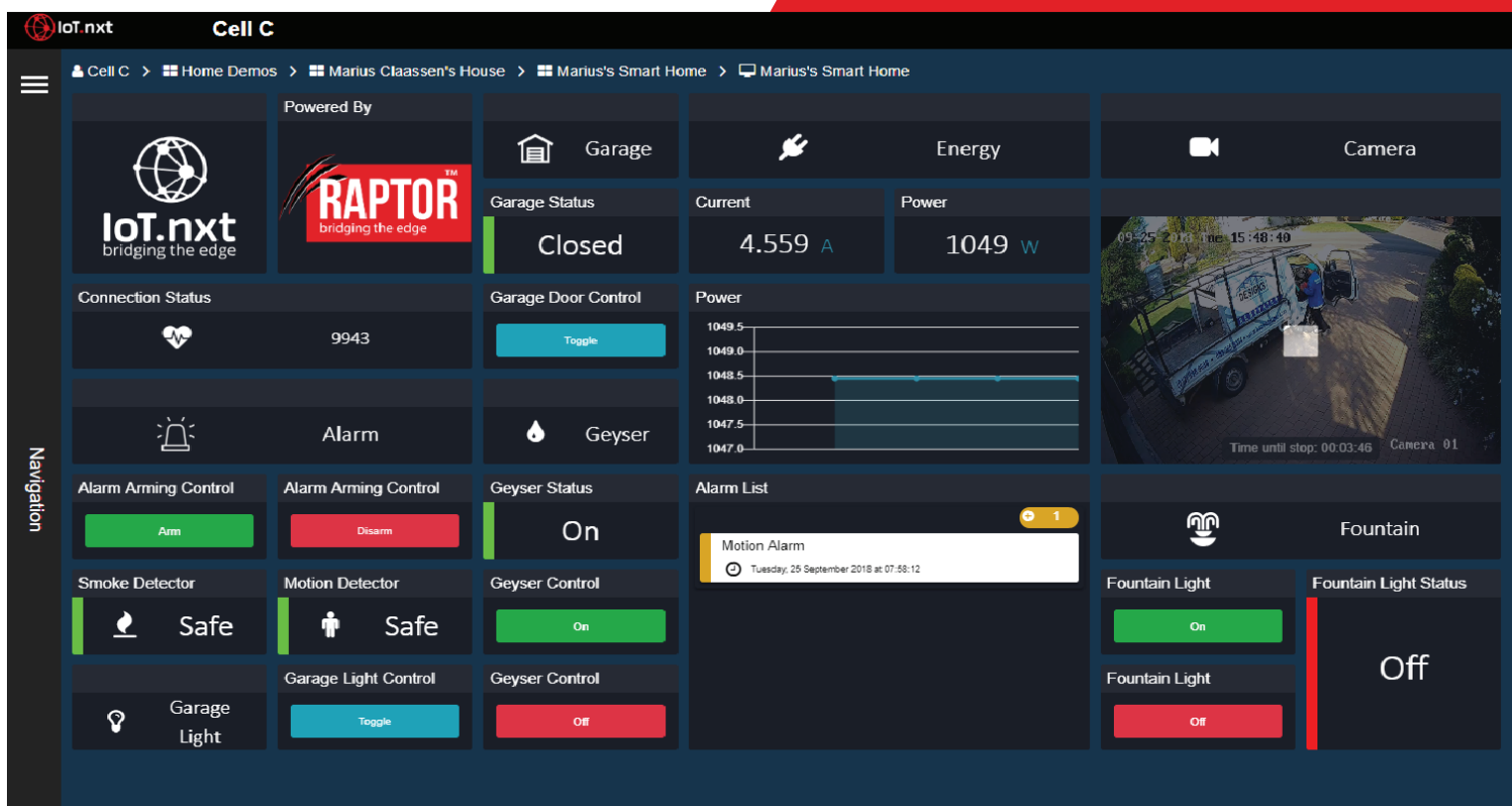
OUR SOLUTION FOR YOU

The IoT.nxt solution would deliver a near real-time, holistic view. The following properties are examples of what could be visualised:

- Geyser status, leak detection, consumption and power control
- Door, gate and garage status and control
- Alarm status and control
- Pool pump status and control
- Motion detection and smoke detection
- Energy consumption monitoring
- Remote CCTV streaming / control
- Temperature and humidity monitoring
- Lighting/ appliance control
- Door/Window Status
- Gate/ Garage status and control
- Remote Camera Streaming
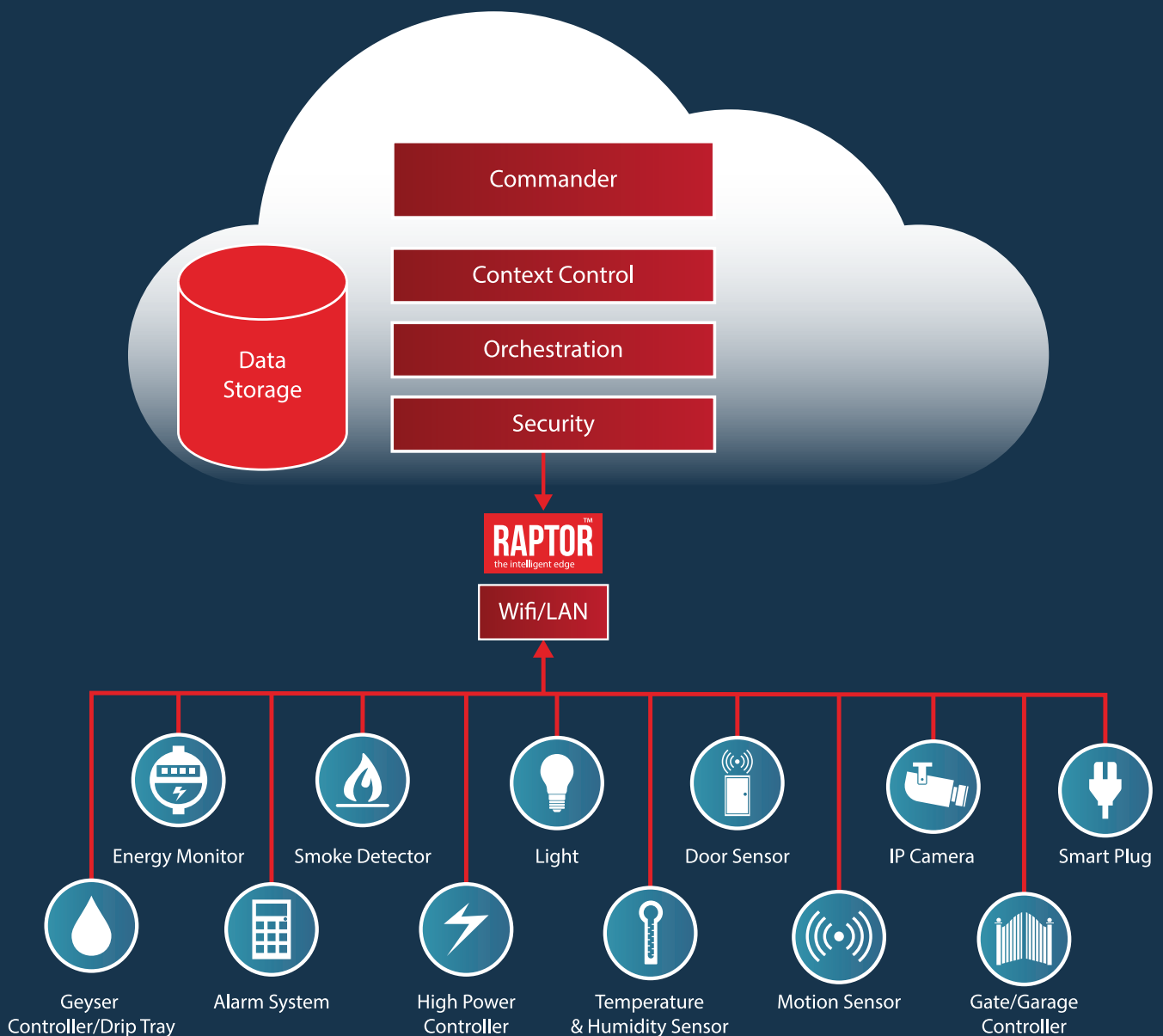
VISUALISATION OVERVIEW

ADDED VALUE

As the client, you can use real-time visualisation to control the key aspects of your home. Furthermore, having a fully automated home, and access to real-time visualisation of the home's camera streams, can also help to reduce the cost of utilities as well as alert you of any security breaches in a timely manner.

Historical data reports and intelligent dashboards will also give you access to real-time information about the status of your home automation.

HOW IT WORKS

Commander

Context Control

Orchestration

Security

Data Storage

RAPTOR
the intelligent edge

Wifi/LAN

Energy Monitor

Smoke Detector

Light

Door Sensor

IP Camera

Smart Plug

Geyser Controller/Drip Tray

Alarm System

High Power Controller

Temperature & Humidity Sensor

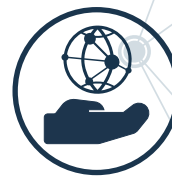Motion Sensor

Gate/Garage Controller

SPECIFICATIONS

- Turn on lights based on motion
- Schedule light intensity by time of day
- Turn on appliance (e.g., kettle) on a schedule
- Send notifications for door/ presence based on time and location
- Trigger plug/ lights based on door sensor
- Trigger any light/ plug remotely
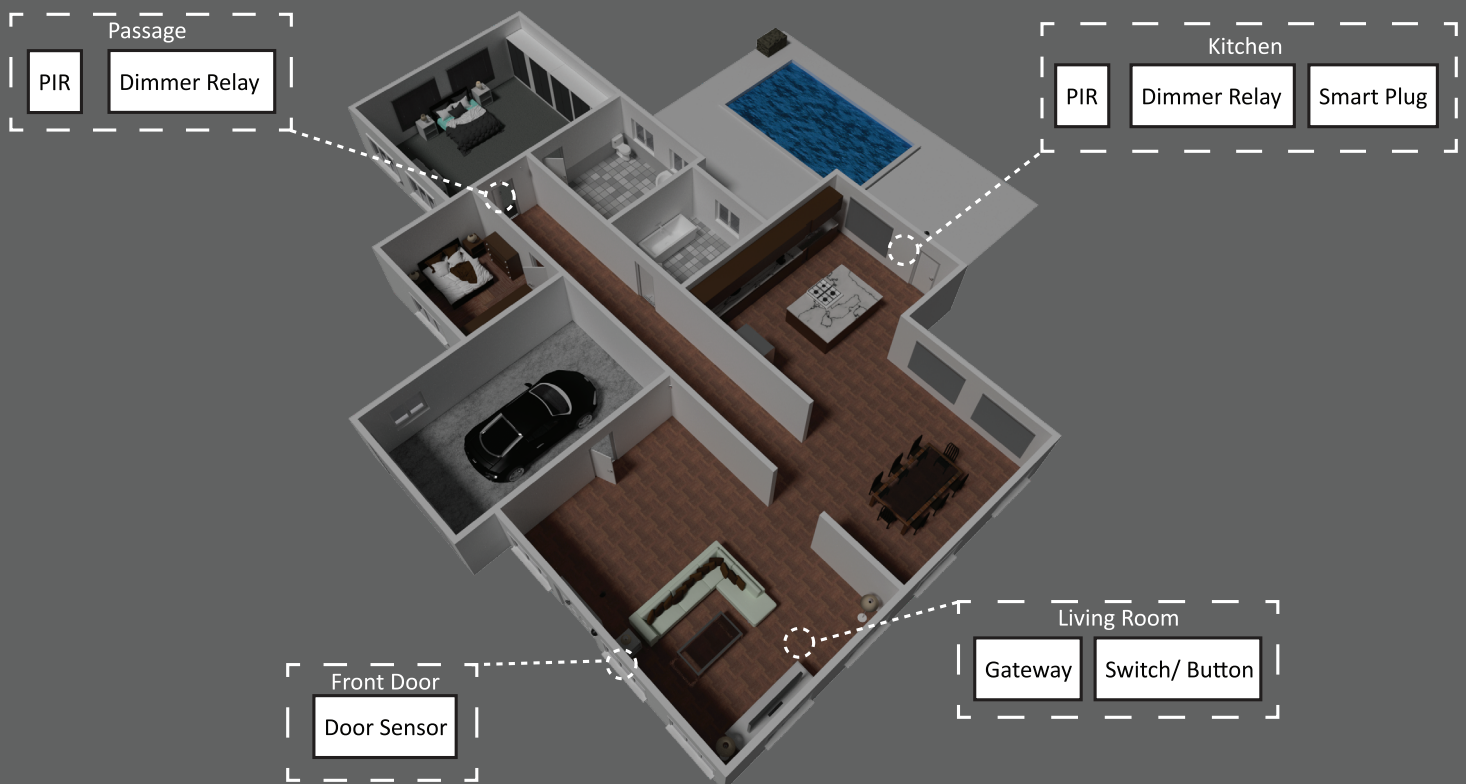- Use switch for physical scenes/ online actions

ENTRY LEVEL PACKAGE

EXTRAS

ADDED VALUE

- Alarm scheduling based on car/ personal location
- Appliance/ light scheduling based on car/ personal location

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Passage
| PIR | Dimmer Relay |

Kitchen
| PIR | Dimmer Relay | Smart Plug |

Front Door
| Door Sensor |

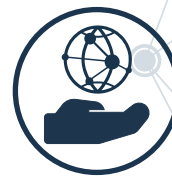**Living Room**
| Gateway | Switch/ Button |

SPECIFICATIONS

- Turn on lights based on motion
- Schedule light intensity by time of day
- Turn on appliance (e.g. kettle) on a schedule
- Send notifications for door/ presence based on schedule
- Monitor/ record camera based on events/ door/ garage status
- Open/ close garage door based on location
- Warnings for garage open/ closes status
- Trigger plug/ lights based on door sensor
- Trigger any light/ plug remotely
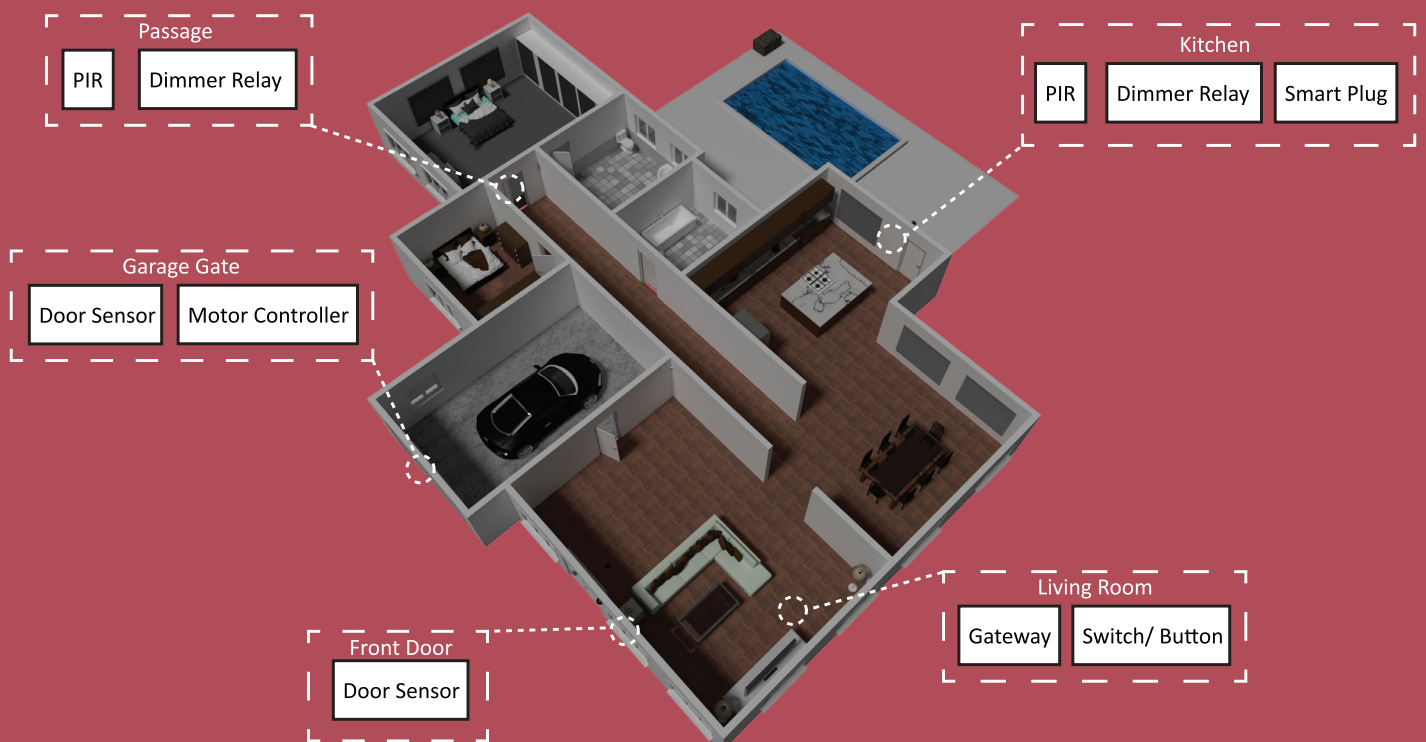- Use switch for physical scenes/ online actions

EXTRAS

ADDED VALUE

- Alarm scheduling based on car/ personal location

- Appliance/ light scheduling based on car/ personal location

- Garage/ gate opening and closing based on car/ personal location

Passage
| PIR | Dimmer Relay |

Kitchen
| PIR | Dimmer Relay | Smart Plug |

Garage Gate
| Door Sensor | Motor Controller |

Living Room
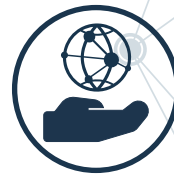| Gateway | Switch/ Button |

Front Door
| Door Sensor |

SPECIFICATIONS

- Turn on lights based on motion
- Schedule light intensity by time of day
- Schedule geyser/ appliances
- Send notifications for door/ presence based on time and location
- Monitor + record camera stream based on event/ door/ garage / gate status / location/ time
- Open/ close garage door based on location
- Warnings for garage open/ closes status
- Trigger any light/ plug/ controller remotely
- Use switch for physical scenes/ online actions
- Integrate into existing alarm to include in automation, cloud portal
- Control Geyser based on location/ schedule/ detected temperature
- Create pool pump schedule based on time of day/ motion detection
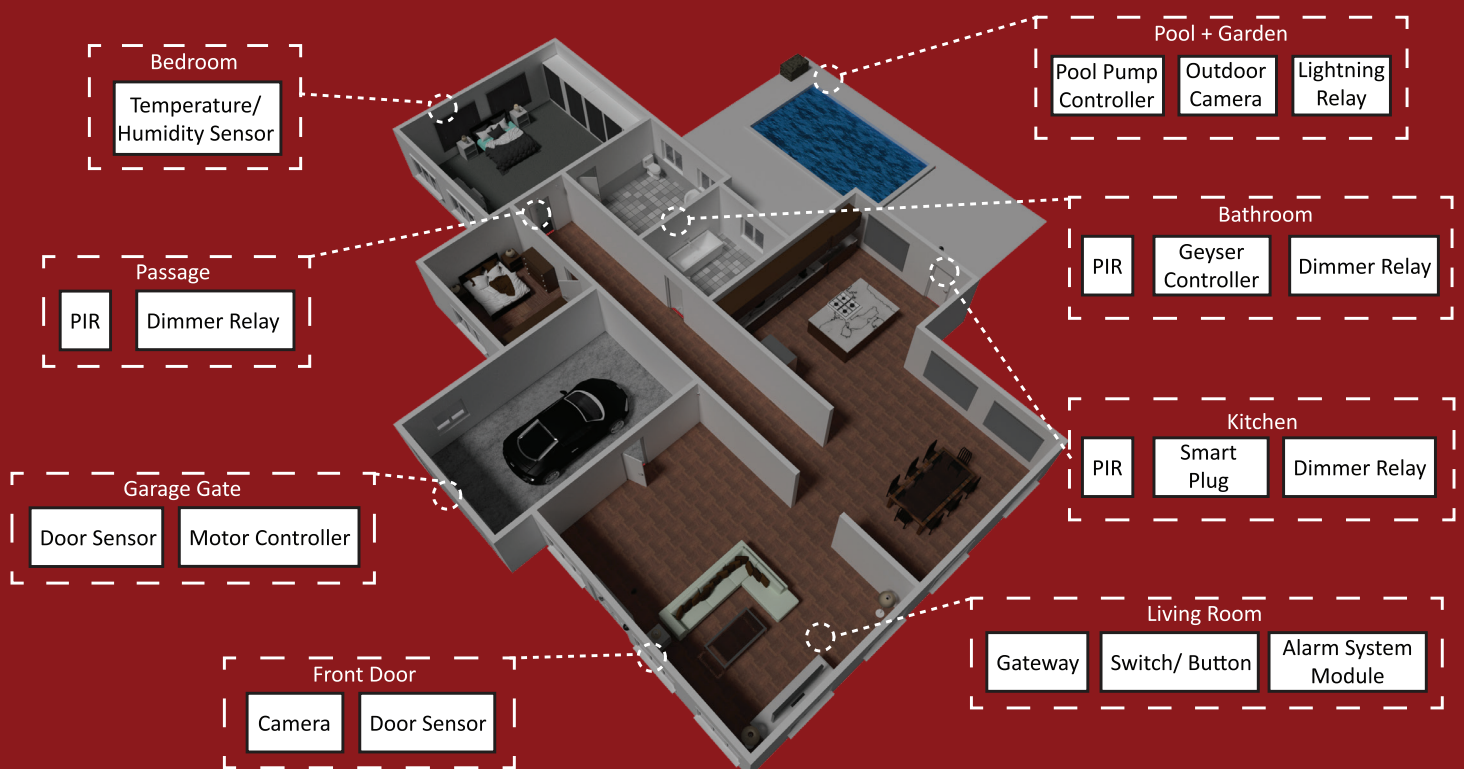- Control outdoor light based on motion/ time of day

EXTRAS

ADDED VALUE

- Alarm scheduling based on car/ personal location

- Appliance/ light scheduling based on car/ personal location

- Garage/ gate opening and closing based on car/ personal location

Bedroom

Temperature/ Humidity Sensor

Pool + Garden

Pool Pump Controller	Outdoor Camera	Lightning Relay

Passage

PIR	Dimmer Relay

Bathroom

PIR	Geyser Controller	Dimmer Relay

Kitchen

PIR	Smart Plug	Dimmer Relay

Garage Gate

Door Sensor	Motor Controller

Living Room

Gateway	Switch/ Button	Alarm System Module

Front Door

Camera	Door Sensor

IoT.nxt is an award-winning market leader in IoT technology. The company was founded in 2015 and has grown exponentially to date with a customer base of some of the Top 500 listed companies in South Africa, United States of America and the Benelux region.

Recognised by media outlets as one of the top five companies to look out for in 2018, the IoT.nxt platform has entrenched itself as a cutting-edge technology innovator demystifying the concept of "Internet of Things" with innovative solutions. With return of investment and customer value at the forefront of all the IoT.nxt industry specific solutions, the future of IoT technology has become a tangible reality. The IoT platform is unique in that it provides:

WHO WE ARE

Rapid Digitisation.

Intelligent filtering of data at the edge.

Real-time, in-shift optimisation of operations.

Integration of analog and digital, legacy and new devices.

Quick implementation with no disruption, retrofitting our technology to create interoperability between new and legacy infrastructure and equipment.

Consolidation of business-wide processes and data.

Remote monitoring and management of businesses.

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IoT.nxt
bridging the edge

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