



IOT Automation Division



Your Energy Solutions Specialist



Embrace independence Switch to Smart-Tech Energy Solutions

Smart Tech Energy Solutions is a leading innovator in sustainable energy & IOT Automation solutions. Committed to shaping a greener and more efficient future, we leverage cutting-edge technology to deliver tailored, client-centric solutions for both residential and corporate needs.

What sets us apart is our unwavering commitment to innovation, sustainability, and a client-centric approach. Whether you are a homeowner seeking energy independence or a business aiming to enhance efficiency, our range of services is designed to meet your unique requirements.

From residential solutions that reduce bills to corporate offerings that position your brand as a sustainability leader, we invite you to join us on a journey toward a more sustainable, energy-efficient future.



1



COMPANY

PROFILE



About Smart-Tech

Who we are?

Smart Tech Energy Solutions is a leading provider of innovative and sustainable energy & IOT Automation solutions in South Africa.

We empower homes, businesses, and communities to embrace a brighter future by harnessing the power of the sun, waste-to-energy technology, and cutting-edge smart automation.

Our Mission:

Our mission is to accelerate the transition to clean energy by offering accessible, reliable, and efficient solutions that meet the diverse needs of our customers.

We are passionate about creating a cleaner, greener future for generations to come.



About Smart-Tech

Our Values

Innovation

We constantly strive to develop and implement cutting-edge technologies that redefine the energy landscape.

Sustainability

We believe in preserving the environment for future generations, driving our commitment to renewable energy solutions.

Integrity

We conduct business with honesty, transparency, and ethical practices, building trust with our customers and partners. a sustainable future.

Excellence

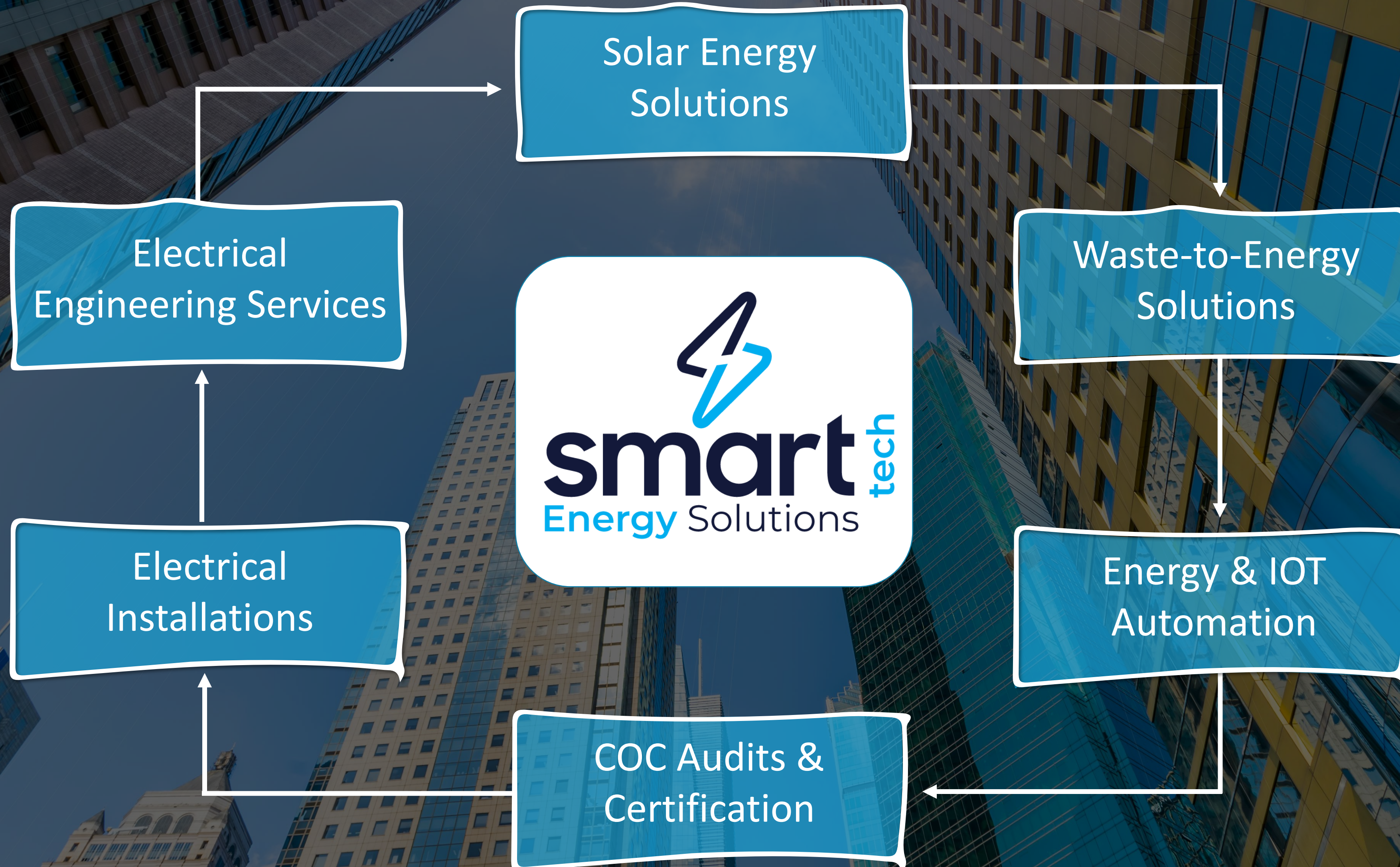
We are dedicated to delivering exceptional service and exceeding customer expectations at every touchpoint.

Community

We actively engage with and contribute to the communities we serve, fostering a sense of shared responsibility for a sustainable future.



Our Strategic Services & Offerings



YOUR SMART ENERGY SOLUTIONS PROVIDER

We Understand South Africa's
Energy Crises and **proactively**
develop Affordable
Renewable Energy Solutions



About Smart-Tech

Our Expertise

At the core of our success is a **multidisciplinary team** comprising professional electrical engineers, skilled electricians, IoT developers, industrial designers and engineering draftsman. Together, we form a **dynamic force, blending technical prowess with creative innovation** to deliver solutions that surpass expectations.

01 Solar Energy Solutions

We are experts in **designing, installing, and maintaining solar energy** systems for all types of residential, commercial, and industrial applications.

02 Waste-to-Energy

We offer advanced **waste-to-energy technologies** that **convert waste into clean energy**, reducing environmental impact and generating renewable power.

03 Energy Automation

We integrate **Smart IOT technologies** into your environment to enable your energy systems for **optimal efficiency, monitoring, control, and savings**.

04 Electrical Services

Our team of skilled electricians provides a **wide range of electrical services** to ensure the safe and efficient operation of your energy systems.

05 Design Engineering

Our team of experienced designers and engineers develop **customised energy solutions tailored to your specific needs and budget**.



About Smart-Tech

Social Responsibility

We take pride in our vibrant organisational culture, fostering an environment of collaboration, creativity, and inclusivity. Our team is not just a collection of individuals; we are a community united by a common passion for advancing clean energy solutions.

Investing in Our People:

At Smart Tech Energy Solutions, we recognise that our biggest asset is our team. That's why we are dedicated to fostering a culture of continuous learning and development for all our employees. We believe that by investing in their skills and knowledge, we are not only enriching their lives but also empowering them to contribute to the success of our company and drive the transition to a cleaner future.

At Smart Tech Energy Solutions, we believe that investing in our employees is an investment in the future, empowering our team to learn, grow, and reach their full potential, we are building a stronger, more innovative company.



We offer a comprehensive employee development and training programs

- Onboarding and induction programs
- Technical and professional skills training
- Leadership development programs
- Personal and professional development opportunities
- Career development planning



2



SMART

Homes & Automation



SMART HOMES & BUILDINGS

We develop Smart Homes and optimise Intelligent Buildings through automated processes to manage our smart integrated ecosystem to your preferences



What is Smart Intelligent Living?

Smart Intelligent living within the comfort of your own home is the living of the future!

Our everyday life is full of little routines that, in total, rob us of a lot of time - valuable time that we can use for much more important things. Your Smart Home takes over these everyday processes for you! Getting up is much easier when the underfloor heating in the bathroom has already started and the coffee is already in the kitchen.

Simply enjoy the comfort of your home on a whole new level ...

Safe - Carefree - Smart.





Smart Comfort

Our everyday life is full of little routines that, in total, rob us of a lot of time - valuable time that we can use for much more important things.

Get up in the morning and your coffee is ready in the kitchen, listen to music in the living room and still hear the phone ringing in the hallway - program the hi-fi and telephone system so that the music is turned down when a call comes in.

Simply enjoy the comfort of your home programmed to your personal needs.

Smart Security

In addition to increasing comfort, Smart Home also increases the security of your home through networked monitoring and alarm systems, as well as automated locking systems for doors and windows.

Your smart home monitors camera surveillance, alarm systems, smoke detectors, any irregularities within your home and the system sends alerts and messages to your smartphone which gives you the chance to react immediately.

Simply Feel Safe in the comfort of your home.

Smart Energy

Technology is firmly anchored in our everyday lives and you may be thinking that an automated home uses even more electricity. Not correct!

Intelligent building technology ensures considerable energy savings because smart home systems are designed to be energy-efficient!

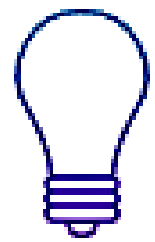
With the help of smart sensors you can automate your home to not waste energy.

Simply have the comfort that your home is energy efficient and automated.



We make Smart even Smarter

We create Intelligent Buildings
and Homes through our Smart
Devices Automation &
Software Development Skills



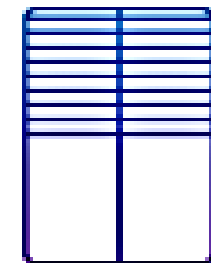
Light



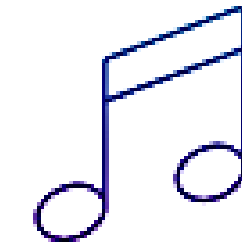
Security



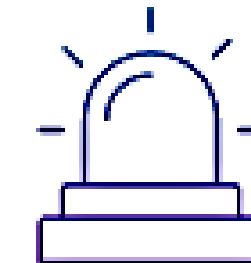
Smart HVAC



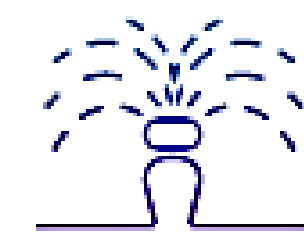
Gates and blinds



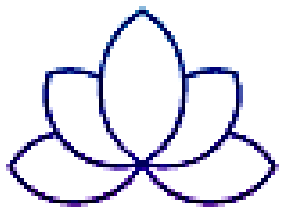
Home appliances



Safety



Smart garden

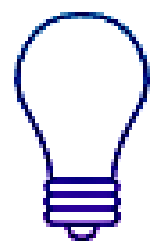


Mood



We make
Smart even
Smarter

Simplify Everyday
Living with
Functional Solutions



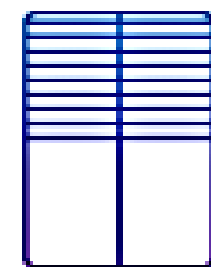
Light



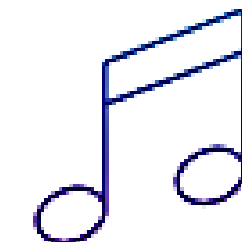
Security



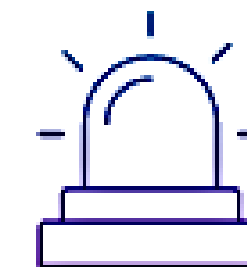
Smart HVAC



Gates and blinds



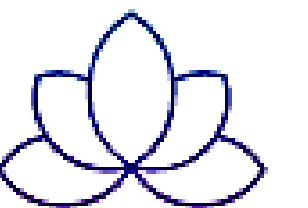
Home appliances



Safety



Smart garden



Mood

Smart Home Control Devices

Smart Intelligent Living

You'll be spoilt for choice with our solution which integrates multiple smart devices within your homes ecosystem to control and monitor your entire home and property.

We have developed customised smart preference rules & protocols that enable the flexibility to customise your home or building to your specific needs and family needs.



Smart Screen



Smart Watch



Smart Speaker



Smart Switch



Smart Home App



Smart Remote



Home Control Devices

Smart Intelligent Living



Automate Your Home

We Make Smart Smarter





Light {A}

Turn on
the Lights
Smart Intelligent Living



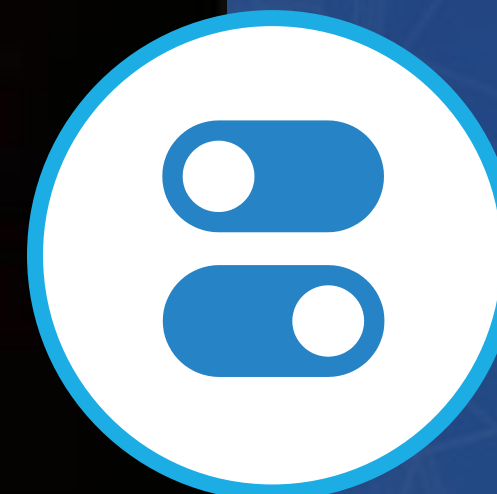
Voice Controls

Switch on **Light {A}** using your smart speaker by saying "Switch on Light"



Mobile App

Switch the same **Light {A}** on using your Smart Home mobile application located on your mobile phone



Smart Touch Controller

Switch the same **Light {A}** on using your Smart Home Touch Controller



Smart Light Switch

Switch the same **Light {A}** on using your wall mounted Smart Switch manually



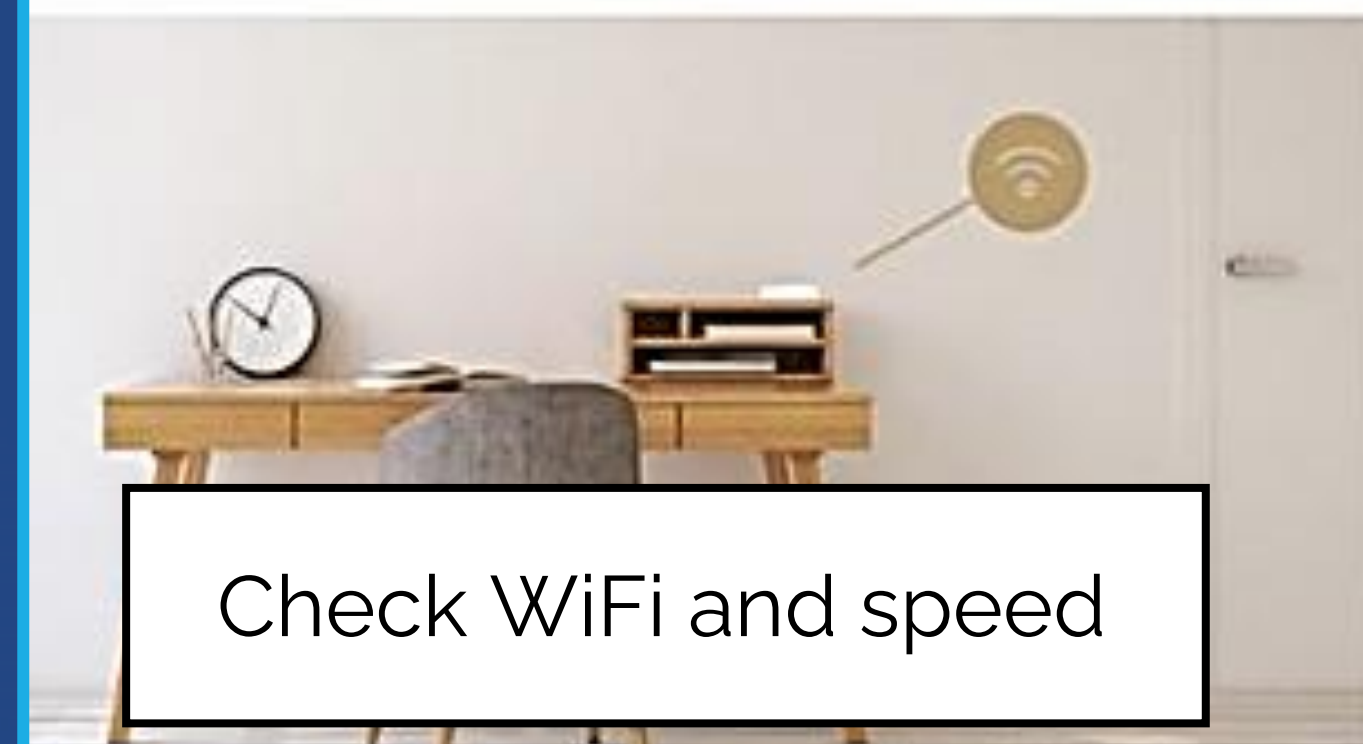


Climate control via weather services



Say: "It's movie time"

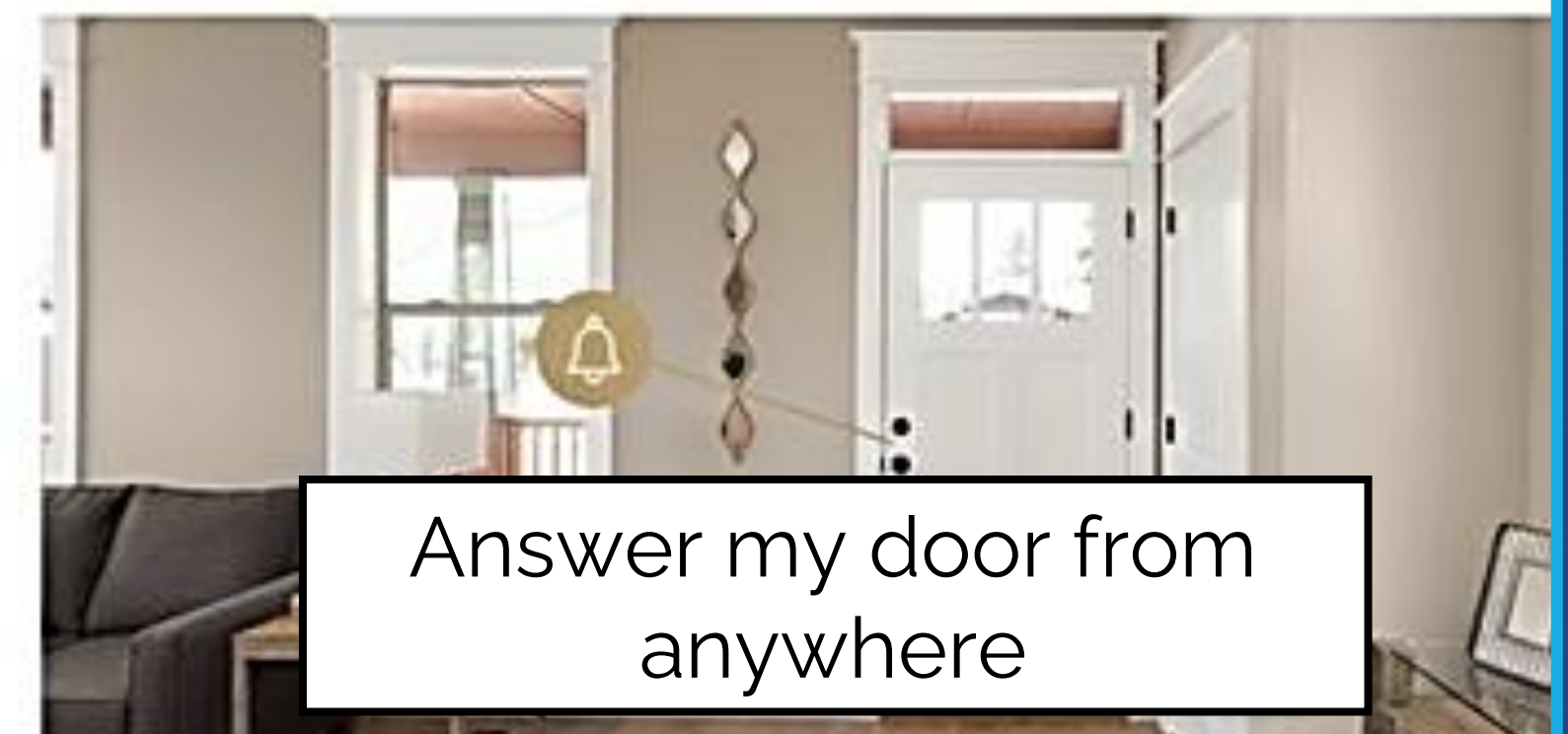
Lights dim, Netflix starts and volume increases



Check WiFi and speed



Control the lights using my voice



Answer my door from anywhere

Creating Smart **Automation and Controls** within your Home



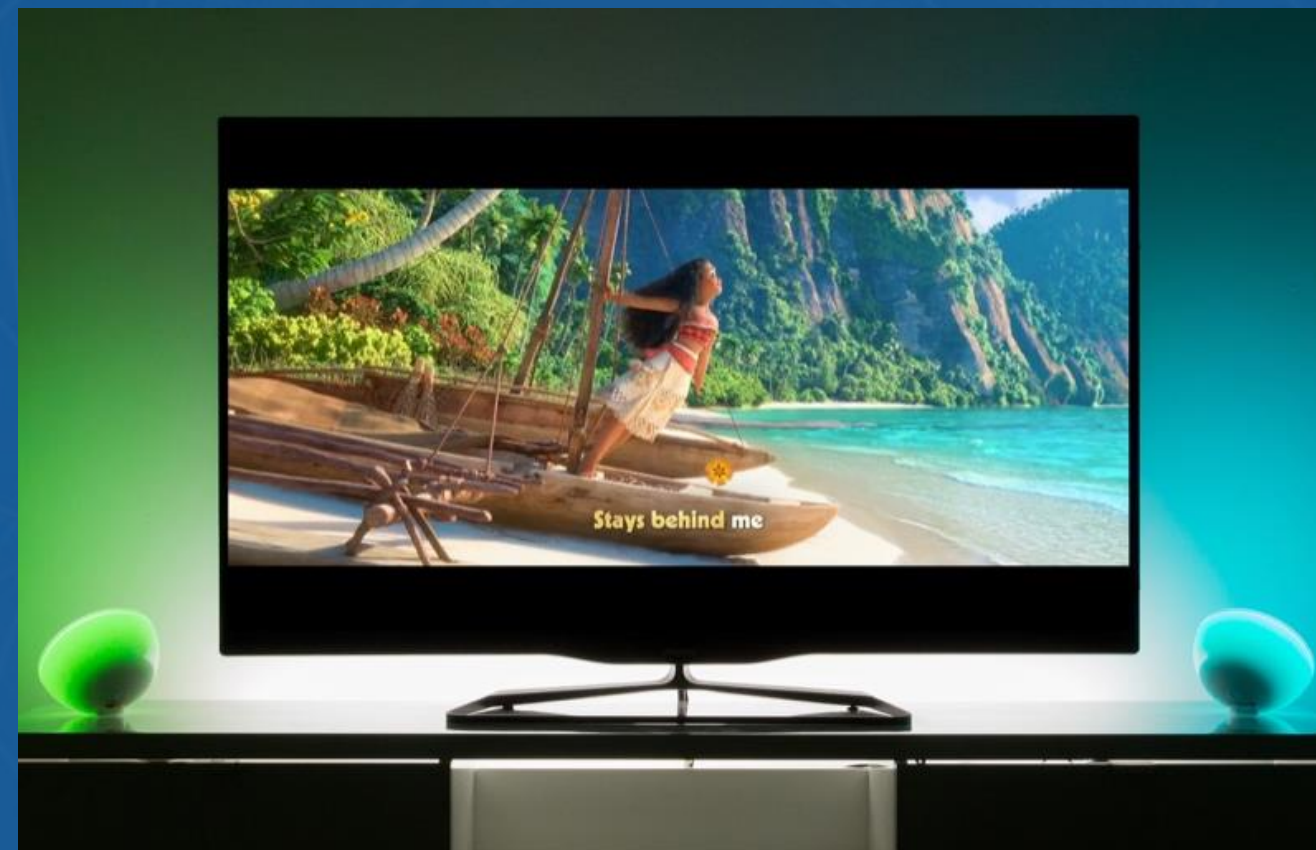
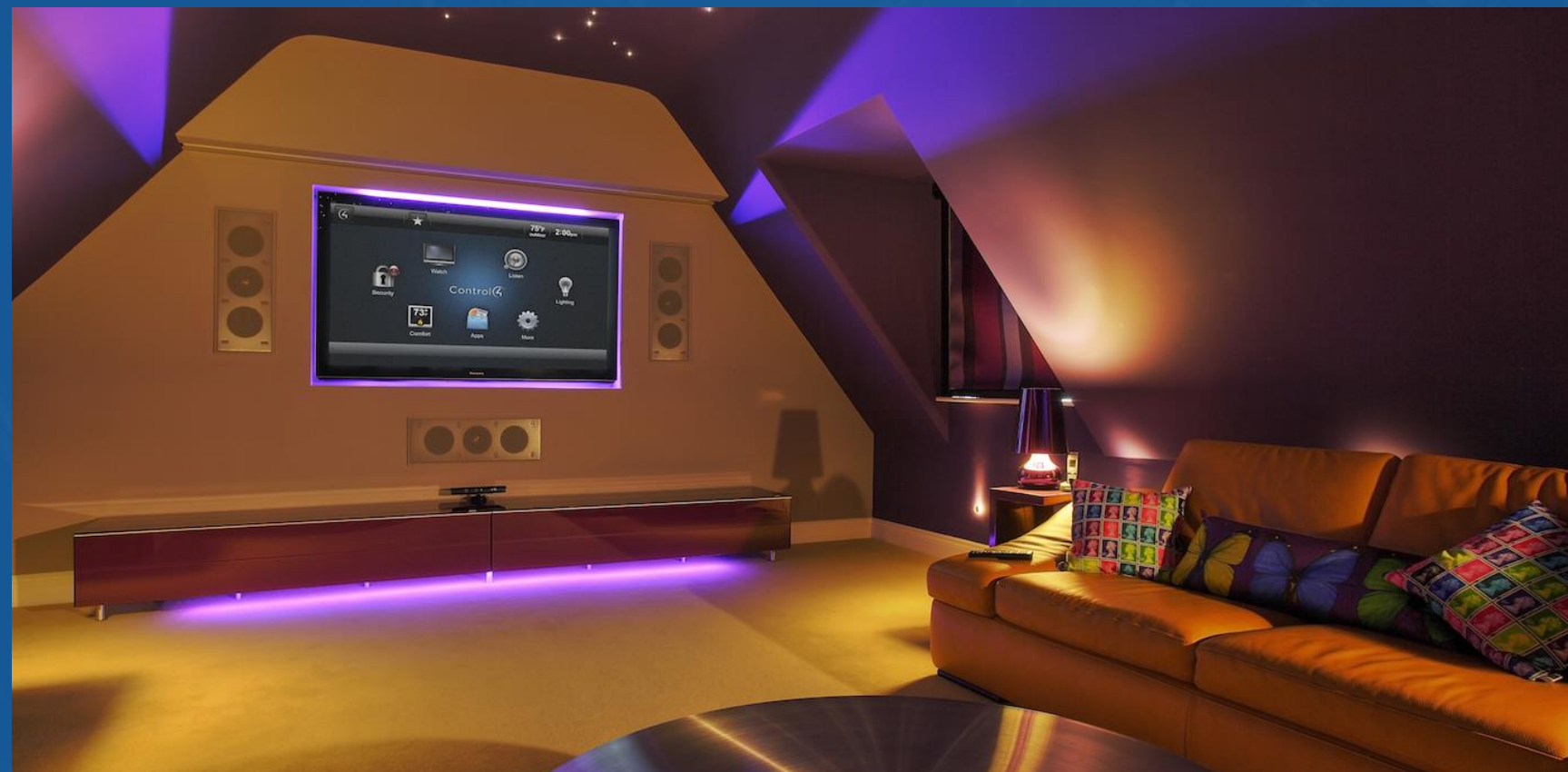
INTELLIGENT LIVING WITH COMFORT

Mood created by the smart lighting



Creating Smart Lighting Mood Scenes within your Smart Home

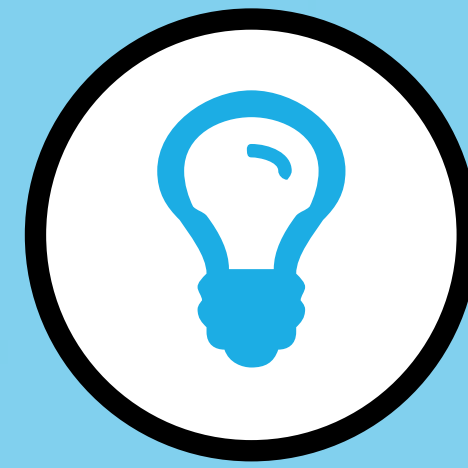
You can impress your friends and family with your own smart personalized lighting to create a unique ambience and appeal to your Smart Home



Energy Efficient Home IoT Automation

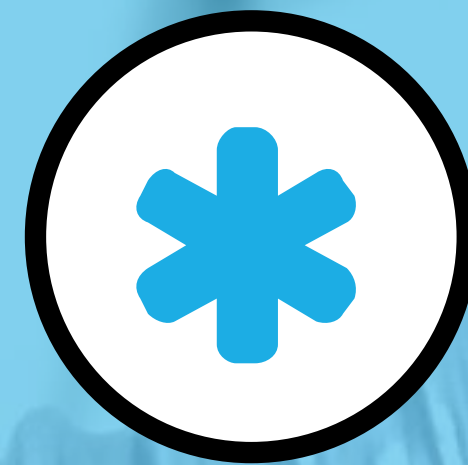
Connect your smart home ecosystem to 3rd party weather services and control your smart home devices based on the external and internal environments through smart automation protocols.

Save on energy consumption and move over onto green energy efficient solutions.



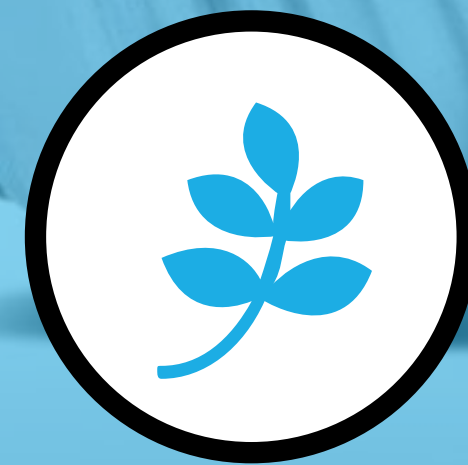
Smart Lighting

Switch all your outside lighting off during the day while you are at work or traveling away.



Smart Heating & Cooling

Check weather services and switch off when the outside temperature is colder than inside temperatures.



Smart Irrigation

Check weather services and switch off when it is raining outside.





SMART **INTELLIGENT** LIVING

Smart **Home Security** & Monitoring

Smart security cameras form part of your smart home and office ecosystem, and the camera views are also securely accessible through your mobile phone.

Indoor Smart Cameras

- Motion detection / night vision / two-way audio
- rotate vision 350 + 60 with full screen mobile view

Outdoor Smart Cameras

- Waterproof casing / night vision / 128GB on-board storage
- User authentication with software encryption





Smart Home Garden

A Smart garden not only allows you to setup your standard sprinkler system watering times, but also checks in with cloud weather services for predicted rain to make calculated garden watering decisions.



SMART INTELLIGENT LIVING

Garden timers

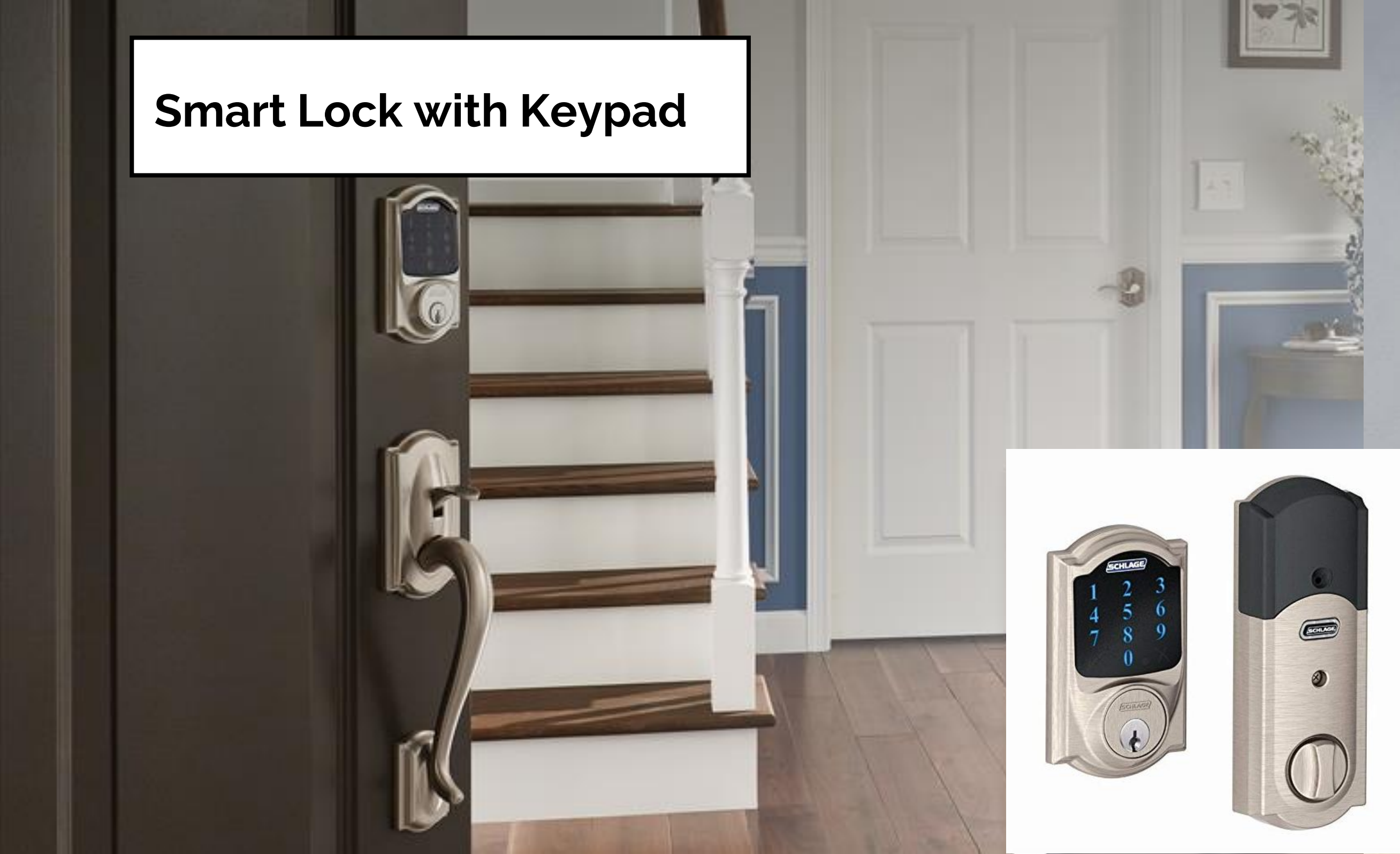
Will water your garden according to the timer's setup provided that there is no rain forecast for that day

Internet Weather Services

Internet Weather predicts that there is a 90% chance of rain. This will automatically disable the sprinkling system during the rain.



Smart Lock with Keypad



SMART SPEAKERS AND LOCKS

Smart just got Smarter

Using Smart as your virtual assistant to help you manage your home.

Smart Locks

The door lock can be controlled with a keypad, key or smart speaker. Provide a once-off code for your guests valid for a time duration. The cleaner will have access via code and monitor his/her working hours.

Smart Speaker

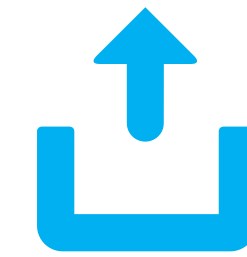
Ask your smart speaker how to switch on the lights, what the weather is or to play music.





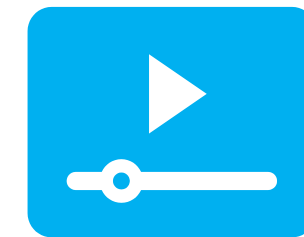
Smart Car Extension

We make Smart Smarter



Open Garage

Ask your car to open and close your garage door when leaving and returning home



Road trip Music Playlist

Ask your car to play your favourite playlists when you are travelling



Check your Calendar & Traffic

Check your diary, traffic, your route, fuel stations nearby, parking, all done hands free



Announcements

Send a voice message to family and friends without using your mobile phone. For example: "Hi family I'm on my way home"





SMART - INTELLIGENT - LIVING



Smart Speaker

Setup your Smart Speakers and use voice commands to control your house



Smart Lighting Kit

Replace your light bulbs with smart bulbs



Smart Switches

Apply Smart Switches to appliances that you want to control and make smart



Software Setup

Set up your Smart Home to your own personal preferences



3



SMART

Offices & Automation





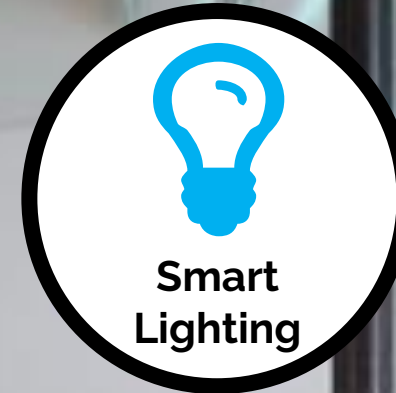
Voice
Control



Energy
Efficiency



Universal
Control



Smart
Lighting



Climate
Control



Office
Security

Smart Office

Smart offices use Internet of Things (IoT) devices—sensors, software, online connectivity—to monitor various **building** characteristics, analyze the data, and generate insights around usage patterns and trends that can be used to optimise the **office's** environment and operations



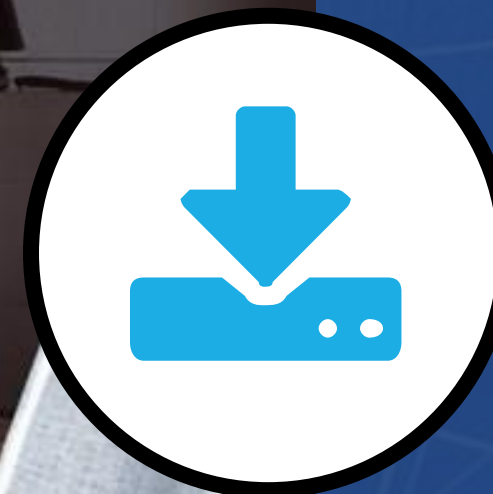


Smart Boardroom



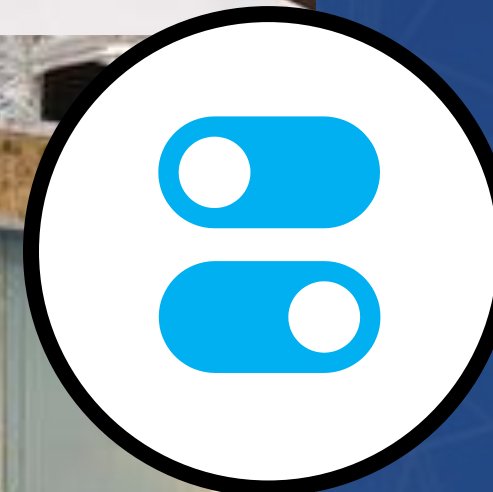
Voice Controls

Simply say "Activate Screen" the lights will then dim, the blinds will close and the presentation screen will switch on.



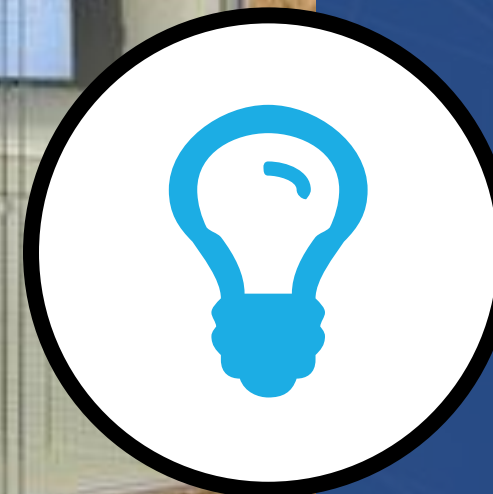
Universal Remote

Replace all your TV, projector, air con remotes and control devices via voice



Blind / Curtain Automation

Automatically close your blinds through voice command when using your projector



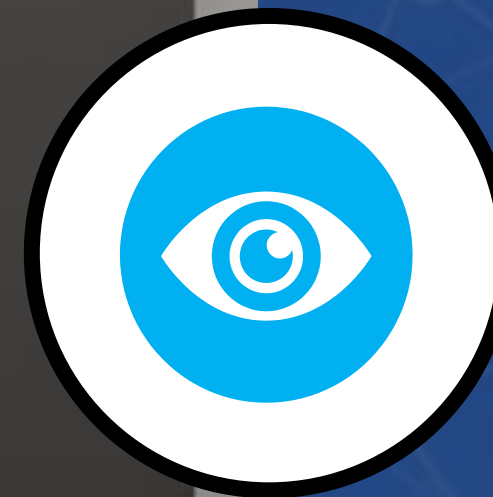
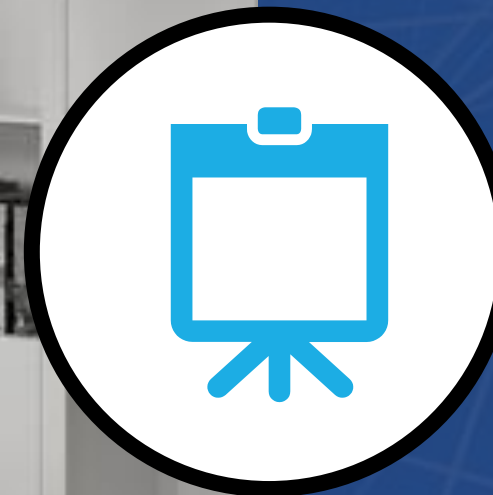
Smart Lighting

Lights can be controlled and dimmed through voice command. Timers can also be setup.





Smart Reception



Voice Controls

Simply say "Good Morning" and your smart reception will switch on all the office lights, kitchen, kettle, start printers and report on your days events.

Boardroom Manager

Smart Screen with Voice Control that allows you to view or book meetings

Smart Security

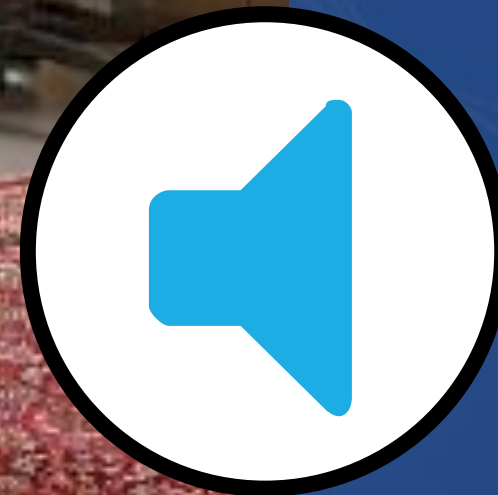
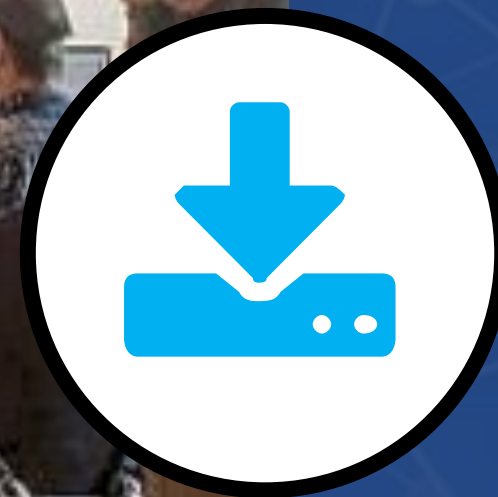
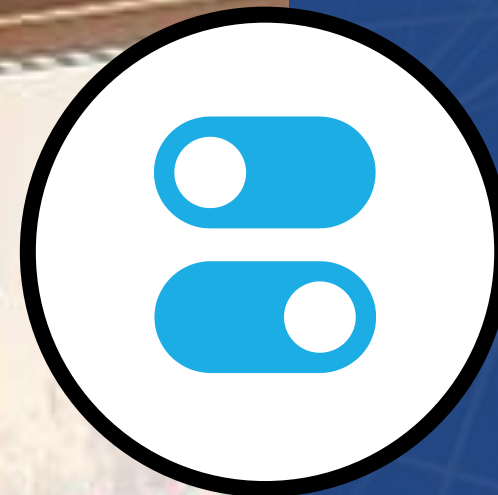
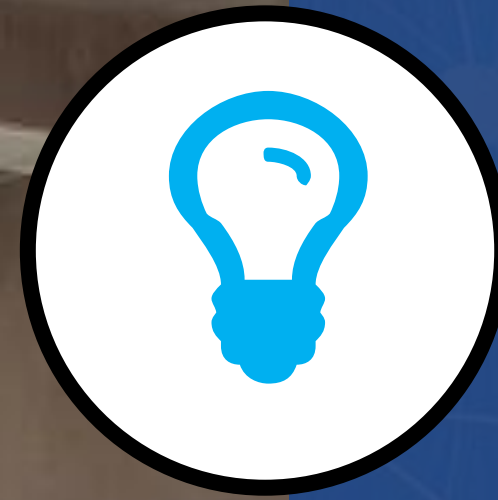
Motion sensors, door sensors, cameras with mobile push notifications, smart Ecosystem that personally customized to secure the way your business runs.

Master Multiway Switch

A multiway switch panel that controls all smart devices within the office, lighting, controlled from the reception area.



Smart **Open Plan** Offices



Smart Lighting

Automatic on / off schedules, motion sensor & infrared lighting for everyone working.

Smart Plugs - Energy Saving

Switch off all TV/LED screens, printers, scanners between 9pm and 6am

Energy Efficiency

Manage charge stations when a tablet / phone is plugged in for charging then the plug is switched on & only charges for 3hrs then switches off. Increases hardware longevity & saves on power usage.

Traffic Report - Out of office meetings

Smart speaker checks & reports your travel route from the office to your client on ETA.





Smart Server Room

SMART INTELLIGENT LIVING



Environment Sensors

Protect & maintain your server room with smoke detectors, leak detectors, temperature & humidity sensors



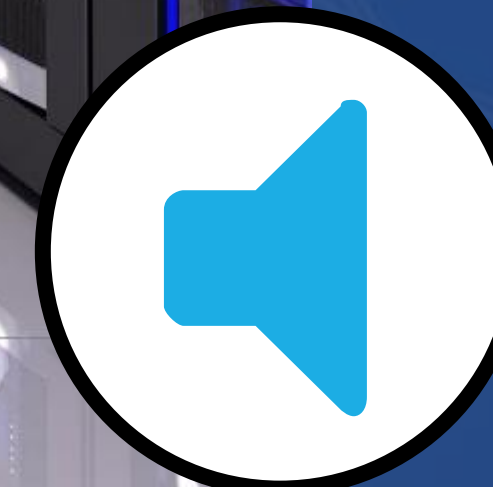
Smart Lighting

Lights are switched on when the entrance door is open or a smart sensor is triggered.



Smart Security

Entrance and cabinet doors can be fitted with sensors. Motion sensors are triggered during unusual working hours. 360 Cameras keep an eye on your precious hardware and IP.



Notifications

Push notifications linked to a camera when any environment sensor is triggered in an event of fire / water leak or when your security is breached.



Imagine **a day in a** Smart Home . . .



06:45

Wake up

You wake up with the sun rise. Home is letting gentle light into your bedroom.

08:00

Leaving the house

Before leaving you secure the house with one click.



Imagine **a day in a** Smart Home ...



12:38

Away from home

Security ... You have your home under control thanks to smart sensors.

17:00

Coming back home

Temperature in the house is perfect on your arrival and your home automatically switches lights on



Imagine **a day in a** Smart Home . . .



19:00

Home Theatre

You start the family movie night with one voice command.

20:30

Evening bedtime ritual

You prepare kids for good nights. Perfect mood lighting is already on.



Imagine **a day in a** Smart Home . . .



21:15

Watering the Garden

Watering the garden is adjusted to soil humidity.

22:30

Good Night Scene

Prepare the entire house for the night with one press of a button without leaving the bed.

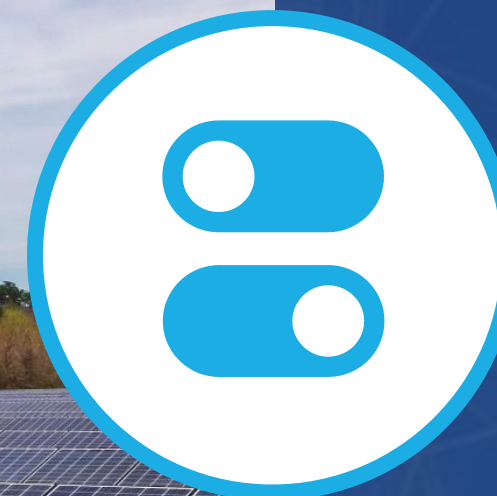


Smart Engineering

Staying ahead of change

Transform your business with our team of seasoned professionals providing innovative solutions tailored to your specifications.

- Short and Long-Term Infrastructure Master Planning
- Design and Construction of Electrical Substations, Power Lines and Mega Infrastructure Projects
- Alternative & Renewable Energy Solutions and Efficiencies
- Energy Intelligence and Energy Maintenance Programs
- Project Planning and Project Management



Contact us

Meet Our Team

Contact Smart-Tech Energy Solutions to enquire about your energy efficiency and sustainability needs.

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Lee: 081 890 9185
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THANK YOU

For Your Time

