

A photograph of an industrial facility featuring several tall, brown cylindrical smokestacks emitting white smoke against a blue sky with a single white cloud. In the foreground, there's a brick building with many windows and a dark, angular roof. A bridge is visible in the background. The image is partially covered by a large, stylized graphic element in the upper right corner.

SMART SOLUTIONS FOR INDUSTRIAL INSTITUTIONS

About Us: Tech Home East Africa Ltd (TECH HOME) was founded in 2016 as a Tech-Security company for the East African region.

Vision: Tech Home is envisioned on application of technology in the everyday life in the simplest form for maximum utility and benefit.

Mission: Tech Home rides on the slogan; Comfort, Luxury and Control to explain how we transform your building or office into a breathtakingly Automated, Intuitive and Functional health institution.



TECH HOME
Technology Made Easy

SMART Solutions for Industrial Institutions

Our Smart solutions for the Industrial institutions are designed to deliver improved safety, employee satisfaction, and operational efficiency through;

Enhanced Employee Well-being: Employee satisfaction is an everyday aim. Satisfied employees are more productive leading to improved factory performance.

Operational Efficiencies: Make real-time, data-driven decisions and optimize asset availability and performance with predictive analytics and proactive maintenance, for more productive operations.

Sustainability Solutions: Leverage predictive energy management technology to automate resources—so when rooms are unoccupied or machines are not in use, the conditions are automatically adjusted to conserve energy.

Safety Management: Our IoT-enabled infrastructure and smart systems make power and powerful technologies continuously available—keeping people safe and factories secure.

SAVE ENERGY. STAY SECURE. BUILD YOUR BOTTOMLINE!



Our SMART Solutions

LIGHTING CONTROL

CLIMATE CONTROL

DISTRIBUTED AUDIO/VIDEO

SECURITY & SAFETY SOLUTIONS

QUEUE MANAGEMENT

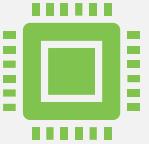
NOTIFICATION & ALARM

KEY TECHNOLOGICAL BENEFITS



Energy Solutions





Wireless: No more expensive wiring. Your factory is now wireless. A basic system can be installed to allow for future expansion. With internal batteries, our devices ensure functionality even when the main grid power supply is broken.



Lighting: Imagine being able to turn On/Off/ Dim your lights as daylight changes or on schedule or even when there is movement in your factory or individual offices. Create lighting scenes by one touch. Save energy, increase comfort!



Power Tracks/Socket Control: Imagine having power wherever you need it? Smart sockets allow you to turn on or off any device connected to it remotely or automatically when not in use.

Energy Solutions

Energy Solutions



Motion-Armed Fence: Imagine your electric fence arming only when there is movement to save your electricity bill!



Appliance Control: Imagine now you can turn on/off appliances and equipment in whatever section in the factory remotely or from anywhere or on schedule! Save energy, increase safety!



Colored Lighting: Imagine you can now create the ambience you want or required by the patient by selecting the color of your space lighting. Do you want to have uniform section colors across your factory by day, hour or event?



Climate Control Solutions

Climate Control Solutions



Cooling: Imagine remotely switching on the AC of a room without having to walk there or scheduling to maintain certain room temperatures or even turning off AC when doors or windows are open and being able to save on your electricity bill!



Heating: Imagine remotely switching on the heater or boiler while still having your meeting elsewhere or scheduling to maintain certain room temperatures or even turning off the heater or boiler remotely to save your electricity bill!



Smart Blinds & Curtains: Use a remote or your mobile device to close and open office blinds Or even let them close when sun rays are too direct.

Distributed Audio / Video Solutions



Distributed Audiovisual Solutions



Audiovisual Distribution: This is your opportunity to provide quality and timely entertainment and communication for your clients and employees with 4K video quality across your factory. Imagine having product or machine manuals, special notices right in the factory. How about training your employees from their workstations on the new products or machine procedures!



Distributed Video: Imagine having access to satellite TV, DVD and all your media across your factory! How about having different sections or departments of the factories displaying relevant video or advertisements to your clients and visitors based on where they are within the factory! Your staff don't have to reach out for remotes as they can voice out what they need increasing their comfort.



Distributed Audio: Imagine being able to stream and share music and audio messages across the factory at given times or controlling your music /audio from a touch screen at the relevant time! Your staff can use voice or gestures to make their choices or communicate their issues to the right departments.

Distributed Audiovisual Solutions

Imagine having a boardroom that can be converted into a training room automatically without having to carry computers around? The screens will automatically be called using a remote or re-called in the same manner.



Security & Safety Solutions



Security & Safety Solutions



Security & Safety: Imagine being able to monitor and control access to your building, offices, sections, restricted areas without being restricted to the control room! Imagine a system that notifies you of every single important event across the factory including workers in distress or where queues or crowds are growing fast. Imagine staff members accessing their authorized areas without touching a key or lock!



CCTV Surveillance: Imagine being able to know who, when, how many, what age, what gender of visitors and staff to your factory! Imagine a system that allows you to get intelligence on your employee performance, efficiency with ability to review and compare historical images with reports and graphs at a click of a button! Would you want to know how many people accessed the factory and how many are still within at any one time? Your safety is guaranteed!



Access Control: Imagine no more keys! Imagine being able to control and know who enters your factory or office or even restricted areas! Store the faces the staff members or visitors and have them open the doors without touching anything! Are there times you only want to allow staff and factory vehicles only? Ensure no company items are taken out without proper authorization. Granted!

Security & Safety Solutions



Automated Gates/Doors: Imagine being able to remotely open and close your gates/doors! In case of an emergency, the system will automatically close/open the shutters or gates as necessary ensuring your staff and factory safety. How about having never to wait at the gate or door for factory and staff vehicles? This allows you to know what vehicles are in / out at anyone time.



Video Doorbell/Intercom: Imagine your staff won't have to walk to the door or gate to talk to their visitors or to their colleagues across the offices! Your staff will be more comfortable if interruptions are reduced which cause them to leave their workstations which increases their productivity. The same can be used to unlock doors and gates within the factory automatically.



Smoke/Gas & Fire Detection: Imagine you can now tell when fire is about to break or when there is a gas-leak in and automatically activate fire suppression or gas valve closers systems. No more fires in your factory!

Security & Safety Solutions

- *Under-vehicle Scanners – Fixed & Mobile*
- *Walk-through Metal Detectors*
- *Baggage Scanners – Fixed & Mobile*



Queue Management Solution



To ensure efficiency and security in the departments especially casualty, we provide a QMS that works with the CCTV cameras;

To notify you of when queues are building or for specific services so that you can increase the service providers.

Reduce fatigue on your customers due to long durations of standing.

Provide reports on the number, age, gender and the times your customers come to the hospital to allow for better planning.

Notification & Alarm



Inbuilt notification/alarm on every device.

Flexibility in Notification configuration / setup

Intelligent decision on who to notify (Police, staff, or guard)

Classify Notification or Alarm based on severity or time.

Compare events based on time and severity

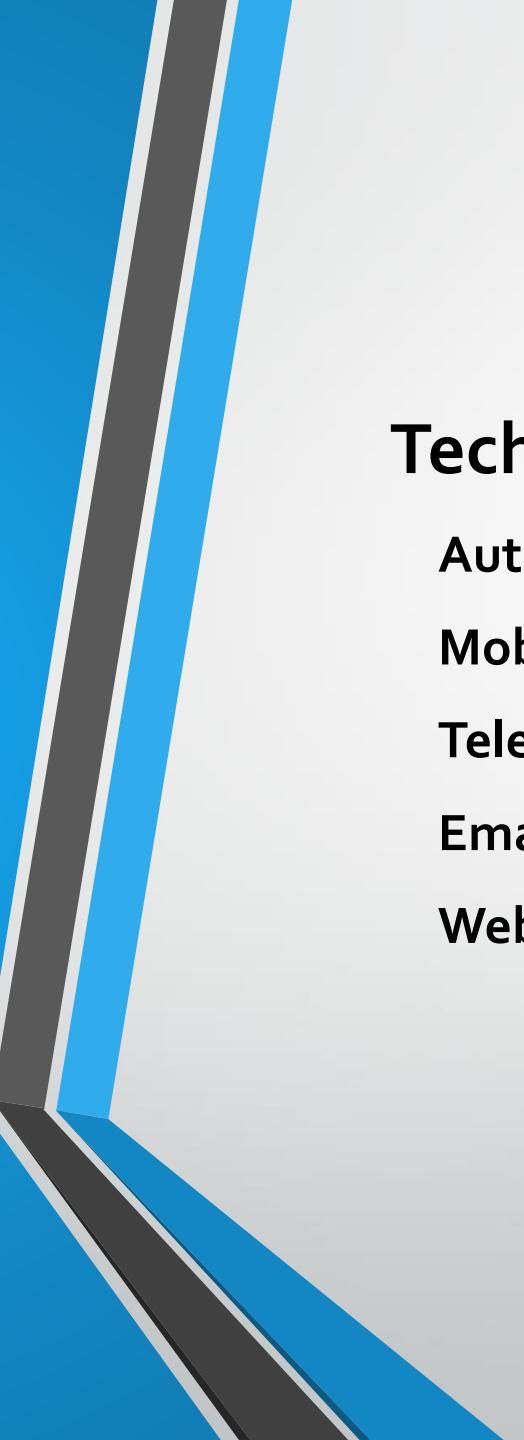
Choose mode of notification – Strobe Alarm, SMS, Email or Push Notification

Is not geographically bound. Can reach the concerned wherever, whenever.

Eliminates cases of false alarms as it identifies humans from animals.

KEY System Benefits





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