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• IOT SOLUTIONS CATALOG • BOHIOSYSTEM

IoT Solutions Catalog

Solutions by space type, with what each one includes, what it solves, and the expected return.

DOCUMENT

BS-SVC-15B

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1.0

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PREPARED BY

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SOLUTIONS BY SPACE

The needs of an office, a store, and a plant are not alike. This catalog groups solutions by type of space instead of by technology.

Each solution is a configurable starting point. Final scope is defined after a technical site visit, because the existing installation matters more than any catalog.

5

SPACE TYPES

Local

CLOUD-FREE CONTROL

Modular

EXPANDABLE IN PHASES

Measurable

VERIFIABLE SAVINGS

01

Offices and corporate spaces

SOLUTION	WHAT IT INCLUDES	WHAT IT SOLVES
Lighting control	Presence and daylight sensors, control by zone and schedule, scenes by usage type.	Rooms and hallways lit with no one inside. Usually the first visible saving.
Smart climate control	Connected thermostats, temperature sensors by zone, scheduling by occupancy and working hours.	Cooling or heating the entire building when only one floor is in use, or leaving it running over the weekend.
Meeting rooms	Occupancy sensors, calendar integration, automatic release of unused bookings.	Rooms booked and left empty while others cannot find a place to meet.
Energy metering	Meters by circuit, consumption dashboard, historical comparison, and deviation alerts.	Not knowing what each area consumes or being unable to allocate cost across departments.

02

Retail and hospitality

SOLUTION	WHAT IT INCLUDES	WHAT IT SOLVES
Cold chain	Probes in cold rooms and refrigerators, continuous logging, immediate alerts on threshold breach and open doors.	Product loss from failures not caught in time, and no record to show during an inspection.

SOLUTION	WHAT IT INCLUDES	WHAT IT SOLVES
Automatic opening and closing	Scheduled routines for lighting, signage, music, and climate, with manual override.	Depending on someone remembering to turn things on or off, and unnecessary overnight consumption.
Visitor counting	Foot-traffic sensors, history by time slot, comparison across locations.	Being unable to relate foot traffic to sales or size staffing by time slot.
Integrated video surveillance	Local recording, zone-based detection, configurable retention, secure remote access.	Isolated camera systems with no integration and paid cloud storage.

03

Technical facilities and light industry

SOLUTION	WHAT IT INCLUDES	WHAT IT SOLVES
Equipment monitoring	Vibration, temperature, and consumption sensors, with thresholds and early warning.	Detecting a failure only after the equipment has already stopped, instead of before.
Leak detection	Flood sensors at critical points, automatic shutoff, and immediate notification.	Water damage discovered hours later, with equipment losses.
Access control	Credentials by person and zone, complete logging, integration with staff onboarding and offboarding.	Physical keys with no control, and access that is not revoked when someone leaves the company.
Power continuity	Monitoring of power systems, battery status, alerts on outage, and orderly shutdown.	Discovering the batteries were depleted right when the outage hit.

04

Distributed sites and residential

SOLUTION	WHAT IT INCLUDES	WHAT IT SOLVES
Multi-site console	A single dashboard with the status of every location, comparisons, and alerts per site.	Having no visibility into a branch until someone reports the problem.
Repeatable rollout	Standard configuration by location type, repeatable installation, and uniform maintenance.	Each site ending up with a different system installed by a different vendor.
Connected home	Lighting, climate, access, irrigation, and security, with local control and its own app.	Systems tied to a manufacturer's cloud that can change terms or disappear.

05

How it is rolled out

Always in phases, and always measuring before automating.

PHASE	DURATION	WHAT HAPPENS
01 • Technical site visit	1 day	Survey of the existing installation, electrical panels, connectivity, and actual needs by zone.
02 • Metering	2–4 weeks	Installation of metering and sensors without automating anything. Establishes the baseline for consumption and behavior.
03 • Design	1 week	Proposal with scope, equipment, automations, and estimated savings, now backed by real data.
04 • Rollout	2–6 weeks	Installation, configuration, testing, and training for the staff who will operate it.
05 • Tuning	4 weeks	Fine-tuning the automations based on actual use and verifying savings against the baseline.

WHY WE MEASURE FIRST

A project sold on a catalog-estimated saving is impossible to defend afterward. With two weeks of prior metering there is a real baseline, and in the end you can prove with your own data how much was saved. It is also common for the metering to reveal that half of the proposed project was not actually needed.

Let's talk

NEXT STEP

Write to us and we'll schedule a working session at no cost to review your specific case.

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