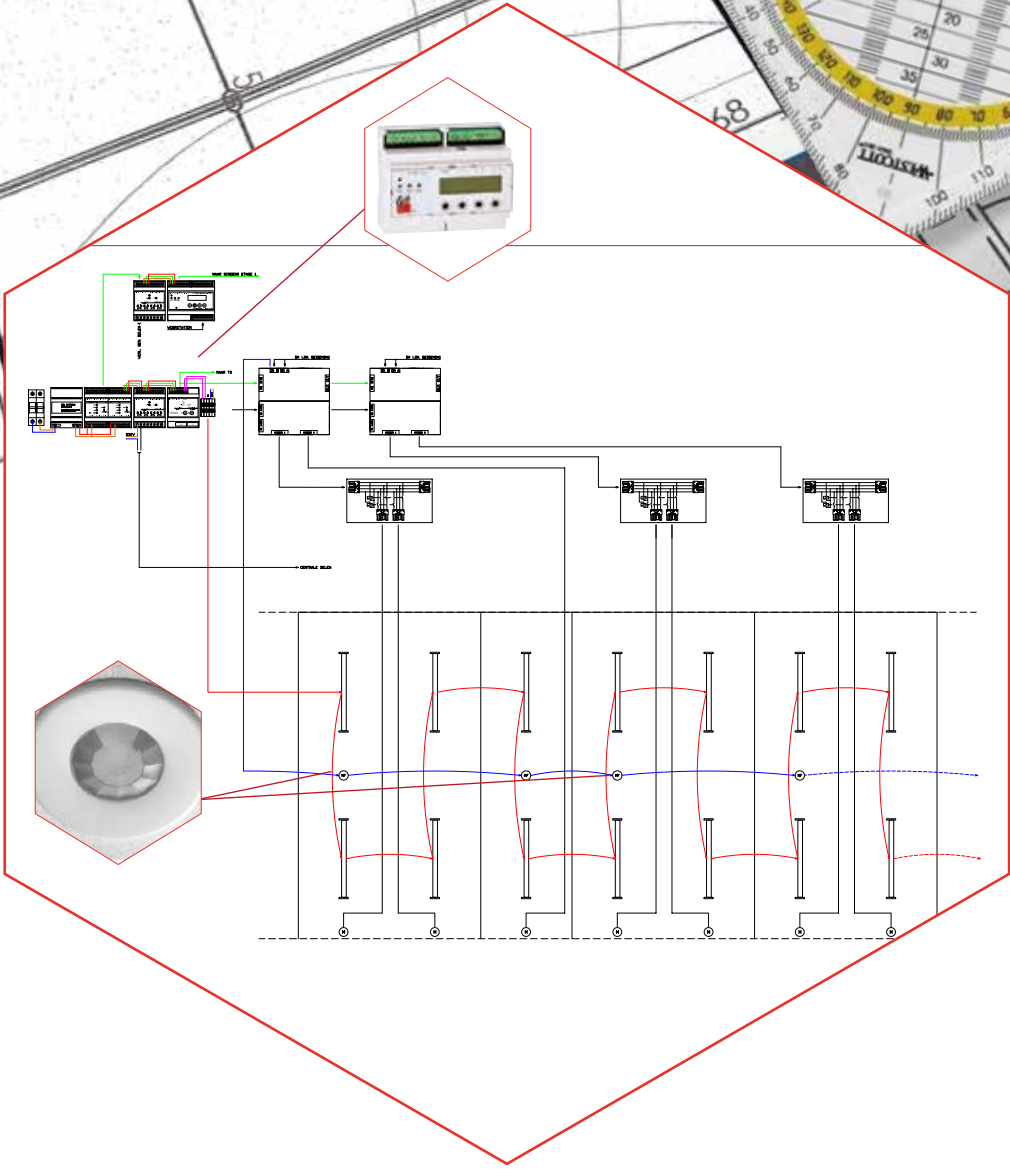
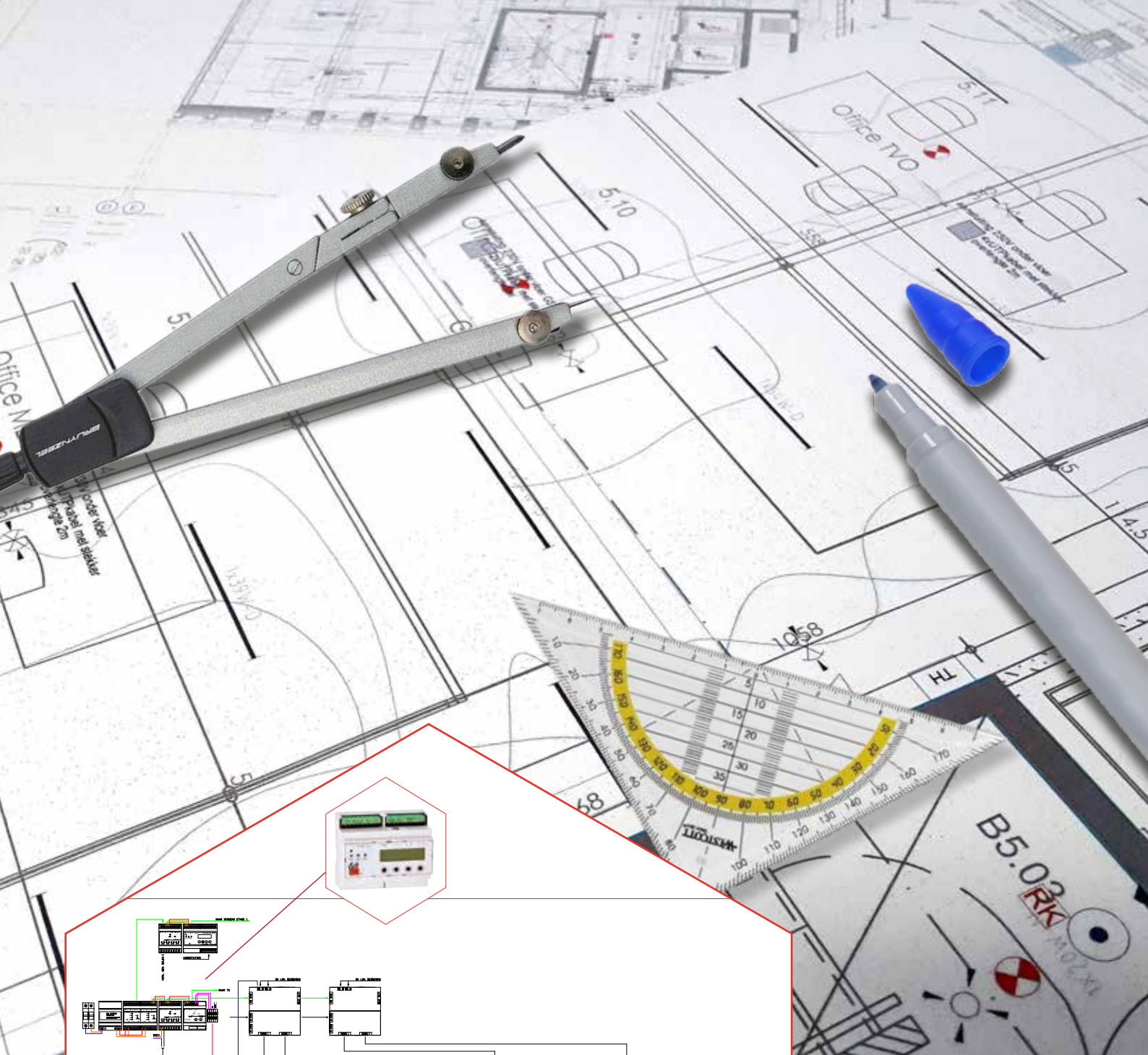




Switch to efficiency



Flexible
Efficient
Dynamic

Who is GIA Systems?

GIA Systems offers solutions for **building automation** purposes and develops, manufactures and distributes pluggable electrotechnical solutions for non-residential construction. GIA Systems offers fully European quality and operates mainly in the Benelux region. We have many years (i.e. since 1994) of experience with commercial buildings and work together with installers, architects, engineering firms, building contractors and end users for a state-of-the-art automation of **smart, flexible buildings**.

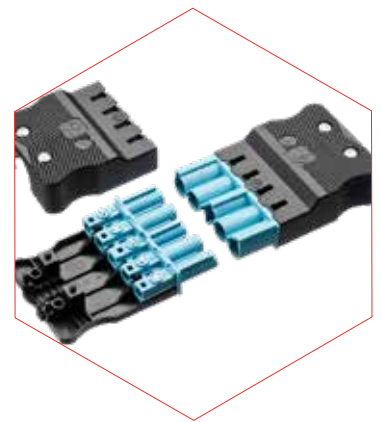
What does GIA Systems do?

All GIA Systems solutions are pluggable and intelligent, created to make building automation even more **efficient**. For example, the **lighting** in a building can be controlled in different ways:

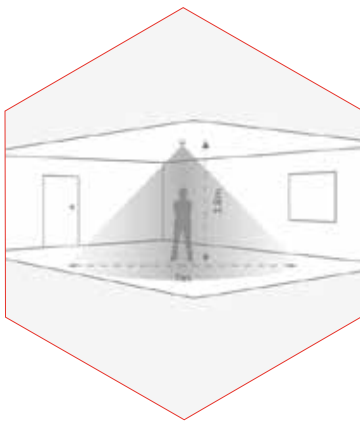
Pluggable installation

GIA Systems uses compatible plugs, cords and junction boxes that

- comply with all standards
- are made to measure per project
- are assembled in-house, guaranteeing a fast delivery.



Presence/Absence detection



A complete range of presence/absence detectors

- for all applications within the utility and industrial environment
- for office specialisation
- for various ceiling heights
- for flush mounting and surface mounting

Lighting control and building automation

Choice of 3 systems: Flexbox® junction boxes, SmartFlexx® or BUS system

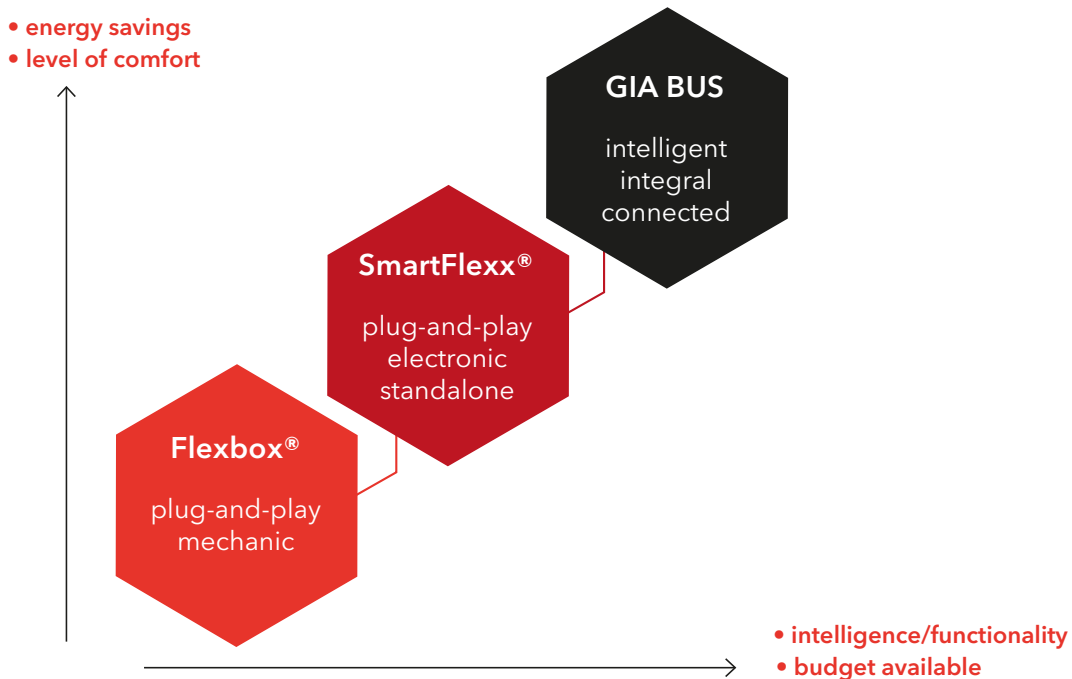
- for a sustainable building, according to standards and customer demands
- with the lowest Total Cost of Ownership
- to purchase only once without license agreements or updates



Switch to efficiency

Systems of GIA Systems - efficient in installation and maintenance

We classify our systems according to the **energy savings** they deliver, the **ease of use** they bring, and according to **intelligence** or functionality. The more intelligent the system, the more energy you will save, and the more comfort our systems provide for the end user.



Flexbox® junction boxes for simple, flexible lighting control

The Flexbox® system is a 'plug & play' solution with a **simple and swift installation** and **low maintenance costs**. The Flexbox® junction box is also suitable for the cabling under the floor and for cabling socket blocks. The Flexbox® junction box has no intelligence of its own, but instead, uses the intelligence in the detector.



SmartFlexx®, for extra comfort and savings

SmartFlexx® is a **unique control systems** developed by GIA Systems. All intelligence is programmed in the **standalone module** and the detectors are **directly and flexibly wired**. The cords are centralised in a Flexbox® junction box and the cabling can be quickly adjusted when a building's inner arrangement changes. SmartFlexx® is **fully preconfigured and plug-and-play** : no commissioning is required.



GIA BUS System, for connected building automation

The GIA BUS system owns a **decentralised intelligence**. It consists of a bus cable and bus components connected to it, including inputs, switching modules and system components. The inputs receive information and put it on the BUS. The switching modules convert these into actions : put lighting on/off, do roller shutters or screens up/down, dim the lighting etc.



GIA Systems offers the most efficient solution for every budget.

GIA Systems Solutions - the lowest Total Cost of Ownership

Lighting control

With the GIA BUS system you can switch or dim any type of lighting. For example, the lighting can be controlled analogously or via a **DALI protocol**, depending on **daylight** or **biodynamically**. GIA Systems lighting control is **easy to configure and to maintain**, and it meets all requirements and wishes of a smart building.

Sunblind control

You can control sun blinds, roller blinds or shutters with **centralised** or **decentralised control**. Both modules can **work seamlessly together**: zones in which flexible cabling is not an option, can therefore be controlled centrally, and the zones in which flexible cabling does fit, can be controlled decentrally.

Energy monitoring

The data from the pulse counters in the switchboards are gathered via the bus line, so that they can be processed by the building manager, for example for billing purposes.

GIA Systems is **open**:

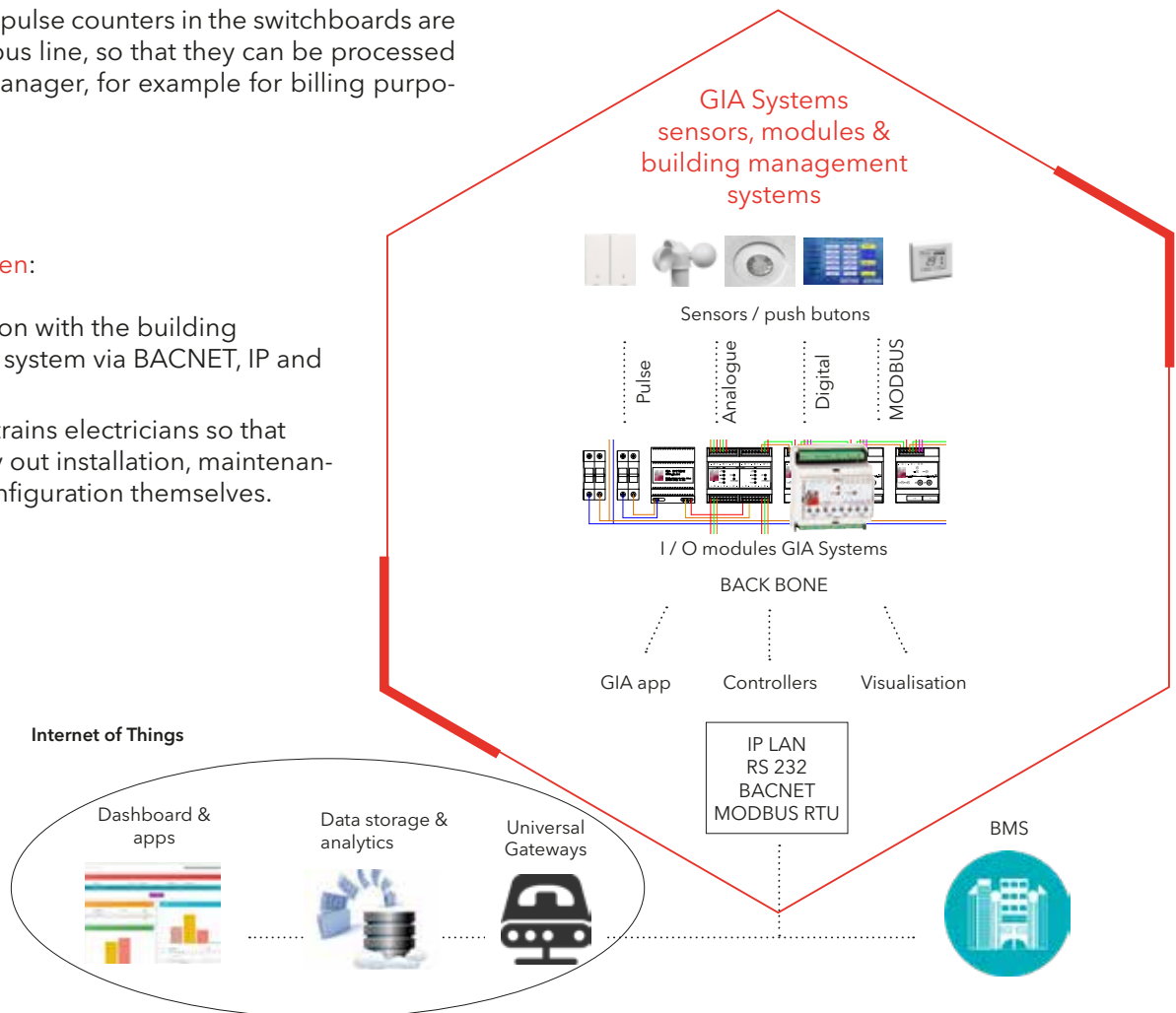
- Communication with the building management system via BACNET, IP and RS232.
- GIA Systems trains electricians so that they can carry out installation, maintenance and (re)configuration themselves.

HVAC fine-tuning

GIA Systems provides the perfect climate in your office or meeting room: cooling, heating and ventilation. 2-way or 6-way, with or without flow sensor, thermostats, CO-meter or VAV-boxes, everything works in harmony with the presence/absence detectors for lighting and sunblind control. Super-efficient, integrated cabling without IP network.

Access control

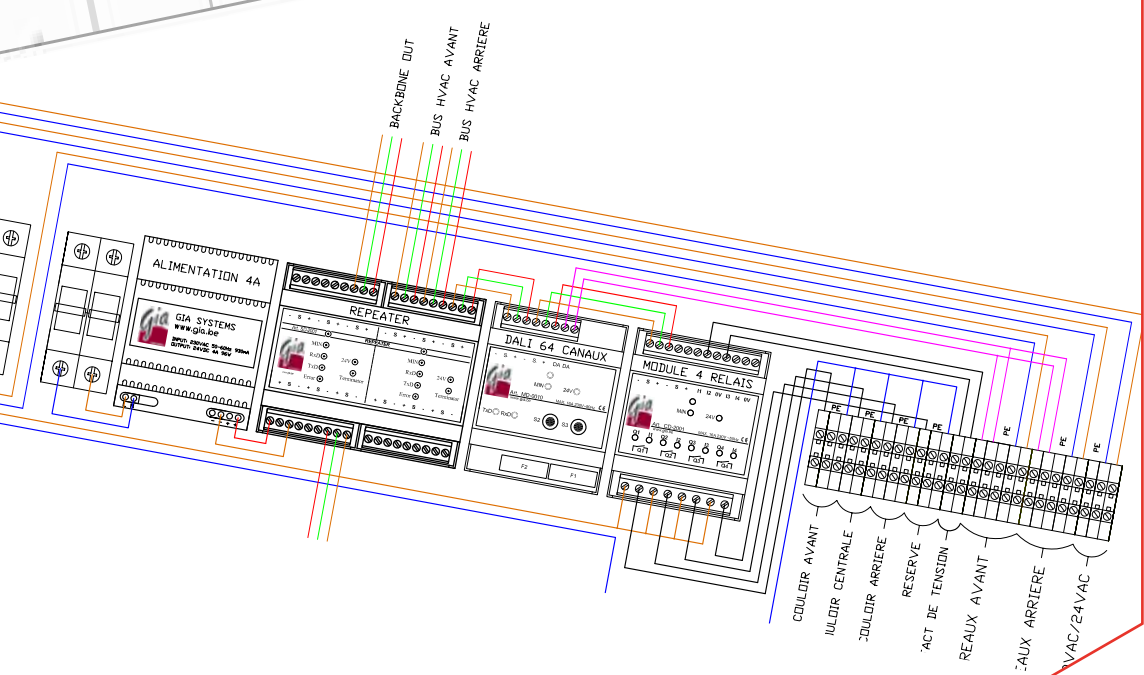
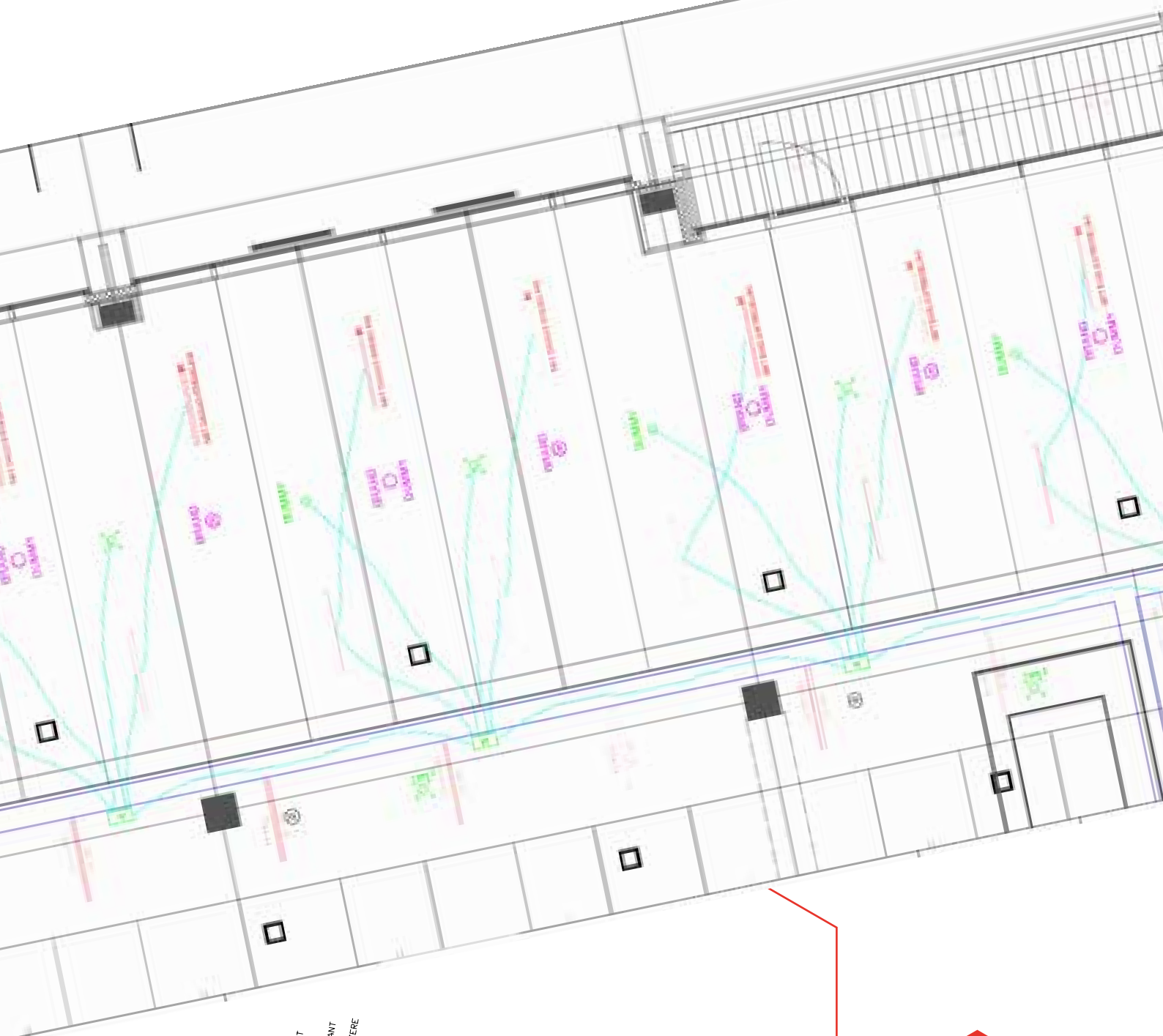
A secure building starts with efficient access control. GIA Systems **switches your doors electronically** and assembles a badge reader and/or keypad. This can be linked to specific time schedules or in combination with a memory function. Easy to use and clear.



* subject to wear and tear, and maintenance
** functional upgrades are possible



GIA Systems develops efficient solutions that last for **25-30 years*** without updates** and without annual license fees.



CLEAR
INTELLIGENT
RELIABLE

Why are GIA Systems solutions more efficient?

All solutions developed by GIA Systems are pluggable and intelligent, and make installations and maintenance much more efficient in several ways :

- The GIA solutions are **tailor-made** and we take care of complex tasks: GIA Systems creates the cabling and connection diagrams and ensures that the installation is configured on-site.
- The lead time of a GIA **installation** is **shorter** and **more efficient**: detectors, flat cable, floor boxes and socket blocks are all pluggable, and all solutions are plug-and-play.
- The **Total Cost of Ownership** is considerably lower and the maintenance of a GIA Systems installation is easier: thanks to the pluggable solutions combined to Flexbox® junction boxes, the cabling infrastructure is clear, secure and well-structured. And you can flexibly adapt the installation at all times.
- The GIA solutions are **energy-saving** and **sustainable**, and therefore deliver a genuine contribution to the reduction of a building's ecological footprint and the commonly debated climate issue.



More efficient GIA Systems products :

- flat cable (e.g. for EV charging)
- floor boxes
- socket blocks (and other Office Solutions)
- Mainline® design power rails with movable socket/data blocks www.mainline.be



Switch to efficiency

References



Check www.giasystems.com for more references.