



The image features a central graphic element consisting of a knight on a horse, facing right, with a sword drawn. This is set against a background of various grey text words arranged in a circular pattern, including 'AUTOMATION AND SECURITY', 'MANAGEMENT', 'SOLUTIONS', 'PROFESSIONAL', 'INFORMATION', 'COMMUNICATION', 'SYSTEM', 'BIOMETRIC', 'PROTECTION', 'FUTURISTIC', 'SERVICE', 'CODE', 'PRIVATE', 'CLOUD', 'DIGITAL', 'TECHNOLOGY', 'PROCESS', 'CONCEPT', 'DEVELOPMENT', 'SAFETY', 'SYSTEM', 'MANAGEMENT', 'SOLUTION', 'DATA', 'PASSWORD', 'IDENTIFICATION', 'PROTECTION', 'SECURITY', 'AUTOMATION', 'MANAGEMENT', 'SOLUTION', 'SCANNING', 'COMPUTER', 'ACCESS', 'GENERATE', 'Computer', 'Access', 'Est. 2020', and 'THE SENTINEL AUTOMATION AND SECURITY SOLUTIONS INC.'. Below this graphic, the company name 'The Sentinel Automation and Security Solutions Inc.' is written in large, bold, black serif font. Underneath the company name, the tagline 'Engineering Safety & Security' is written in a smaller, bold, black sans-serif font.

WHO WE ARE

The Sentinel is a system integrator company with electronics and electrical engineering specializations, designed to meet the clients' requirement while abiding to standard compliance. With the fast global modernization, the necessity for security arises along with safety.

Our team of experts, key players and well rounded personnel with highly adaptive skills is the best asset of our company. We deliver quality workmanship for both software and hardware installation and integration. Having an in depth expertise in this technology sets us as highly preferred system integrator in the industry.

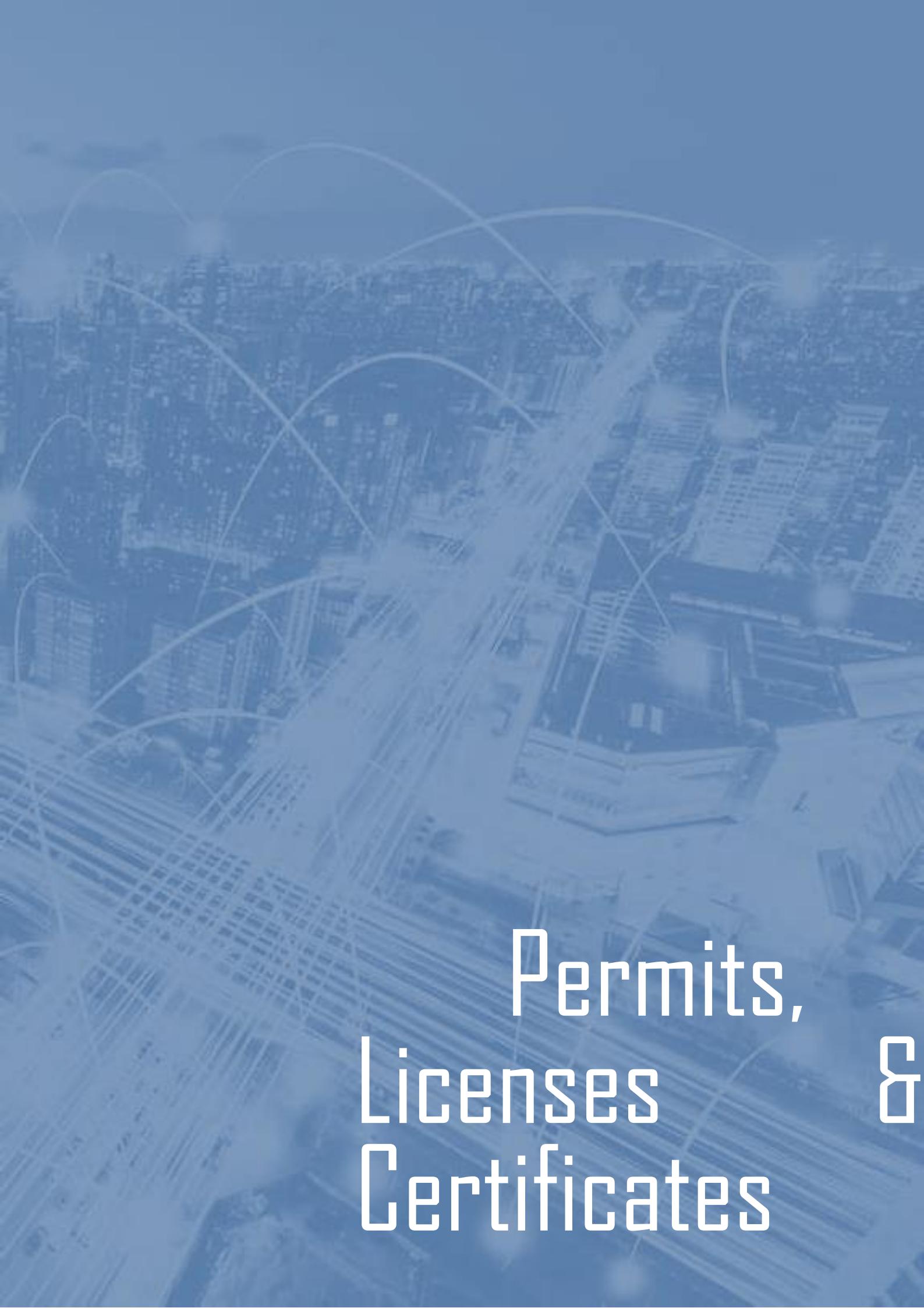
Mission

To be recognized as the leading systems integrator of security systems in the Philippines.

Vision

Provide efficient solution that satisfy the client requirements in compliance to the engineering and global standards





Permits,
Licenses
&
Certificates

PCAB License

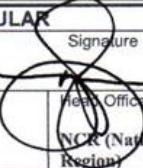
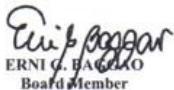


Republic of the Philippines
 DEPARTMENT OF TRADE & INDUSTRY
 CONSTRUCTION INDUSTRY AUTHORITY OF THE PHILIPPINES
PHILIPPINE CONTRACTORS ACCREDITATION BOARD
 Makati City, Metro Manila, Philippines

REGULAR CONTRACTOR'S LICENSE

FORM NUMBER: 51524

Contracting Fiscal Year (CFY): 2024/2025

This certifies that		CONTRACTOR'S PARTICULAR	
The Sentinel Automation and Security Solutions Inc.		Authorized Managing Officer JOSEPH RAMOS TACALAN	Signature  NOT VALID WITHOUT SIGNATURE
		Organization Type Corporation	Head Office (Region) NCR (National Capital Region)
		Taxpayer Identification Number (TIN) 608556248	
LICENSE PARTICULARS			
License First Issue Date March 07, 2023		Contractor's License Number 54646	
Validity Period of this License/Renewal March 07, 2024 to March 07, 2025			
Principal Classification and Category			
Specialty-Communication Facilities C		Other Classification/s none	
			
REGISTRATION PARTICULARS			
Registration Date March 09, 2023		Registration Number 0717-20230717-2023	
Validity Period of this Registration March 09, 2023 to March 09, 2026			
Kinds of Project and Respective Size Ranges			
Communication Facilities		Small B	
 ERNI G. BAGAO Board Member			
 HERBERT J.G. MATIENZO Executive Director		 SERGIO T. RETOME Board Secretary	
 DOCUMENTARY STAMP TAX PAID (Php 30.00)			
IMPORTANT NOTICE: Filing schedule for license renewal application – on or before February 05, 2025			

PHILGEPS

Republic of the Philippines
Department of Budget and Management
PROCUREMENT SERVICE

CERTIFICATE OF PHILGEPS REGISTRATION (Platinum Membership)

THIS IS TO CERTIFY THAT

THE SENTINEL AUTOMATION AND SECURITY SOLUTIONS INC.

1089 Karen Ave Gen. T. De Leon ,
Valenzuela City , Metro Manila , NCR , Philippines

is registered in the Philippine Government Electronic Procurement System (PhilGEPS) on 31-Mar-2023 pursuant to Section 8.5.2 of the Revised Implementing Rules and Regulations of Republic Act No. 9184, otherwise known as the Government Procurement Reform Act.

*This further certifies that **THE SENTINEL AUTOMATION AND SECURITY SOLUTIONS INC.** has submitted the required eligibility documents in the PhilGEPS Supplier Registry as listed in Annex A, which document is attached hereto and made an integral part hereof.*

For the purpose of updating this Certificate, all Class "A" eligibility documents covered by Section 8.5.2 of the Revised Implementing Rules and Regulations of Republic Act No. 9184 supporting the veracity, authenticity and validity of this Certificate shall remain current and updated. The failure by the prospective Bidder to update this Certificate with the current and updated Class "A" eligibility documents shall result in the automatic suspension of its validity until such time that all of the expired Class "A" eligibility documents has been updated.

By submitting this Certificate, the Bidder certifies:

1. *the authenticity, genuineness, validity, and completeness of the copy of the original eligibility documents submitted;*
2. *the veracity of the statements and information contained therein;*
3. *that the Certificate is not a guaranty that the named registrant will be declared eligible without first being determined to be such for that particular bidding, nor is it an evidence that the Bidder has passed the post-qualification stage; and*
4. *that any finding of concealment, falsification, or misrepresentation of any of the eligibility documents submitted, or the contents thereof shall be a ground for disqualification from further participation in the bidding process, without prejudice to the imposition of appropriate administrative, civil and criminal penalty in accordance with the laws.*

This Certificate is valid until 20-Apr-2024

Issued this 20th day of April 2023.

This is a system generated certificate. No signature is required.



SEC REGISTRATION



REPUBLIC OF THE PHILIPPINES
SECURITIES AND EXCHANGE COMMISSION
Ground Floor, Secretariat Building, PICC
City Of Pasay, Metro Manila

COMPANY REG. NO. 2022020043366-83

CERTIFICATE OF FILING
OF
AMENDED ARTICLES OF INCORPORATION

KNOW ALL PERSONS BY THESE PRESENTS:

This is to certify that the amended articles of incorporation of the

THE SENTINEL AUTOMATION AND SECURITY
SOLUTIONS INC.
(Amending Article III thereof)

copy annexed, adopted on March 18, 2022 by majority vote of the Board of Directors and by the vote of the stockholders owning or representing at least two-thirds of the outstanding capital stock, and certified under oath by the Corporate Secretary and a majority of the Board of Directors of the corporation was approved by the Commission on this date pursuant to the provision of Section 15 of the Revised Corporation Code of the Philippines, Republic Act No. 11232, which took effect on February 23, 2019, and copies thereof are filed with the Commission.

Unless this corporation obtains or already has obtained the appropriate Secondary License from this Commission, this Certificate does not authorize it to undertake business activities requiring a Secondary License from this Commission such as, but not limited to acting as: broker or dealer in securities, government securities eligible dealer (GSED), investment adviser of an investment company, close-end or open-end investment company, investment house, transfer agent, commodity/financial futures exchange/broker/merchant, financing/lending company and time shares/club shares/membership certificates issuers or selling agents thereof; nor to operate a fiat money to virtual currency exchange. Neither does this Certificate constitute as permit to undertake activities for which other government agencies require a license or permit.

IN WITNESS WHEREOF, I have set my hand and caused the seal of this Commission to be affixed to this Certificate at Pasay City, Metro Manila, Philippines, this 29th day of April, Twenty Twenty Two.


GERARDO V. DEL ROSARIO

Director

Company Registration and Monitoring Department

SJ/qba

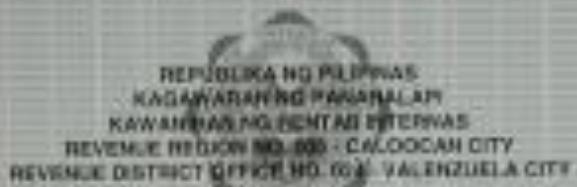
BUSINESS PERMIT

CERTIFICATE OF REGISTRATION

BH FORM

2303

REVISED: APRIL 2010

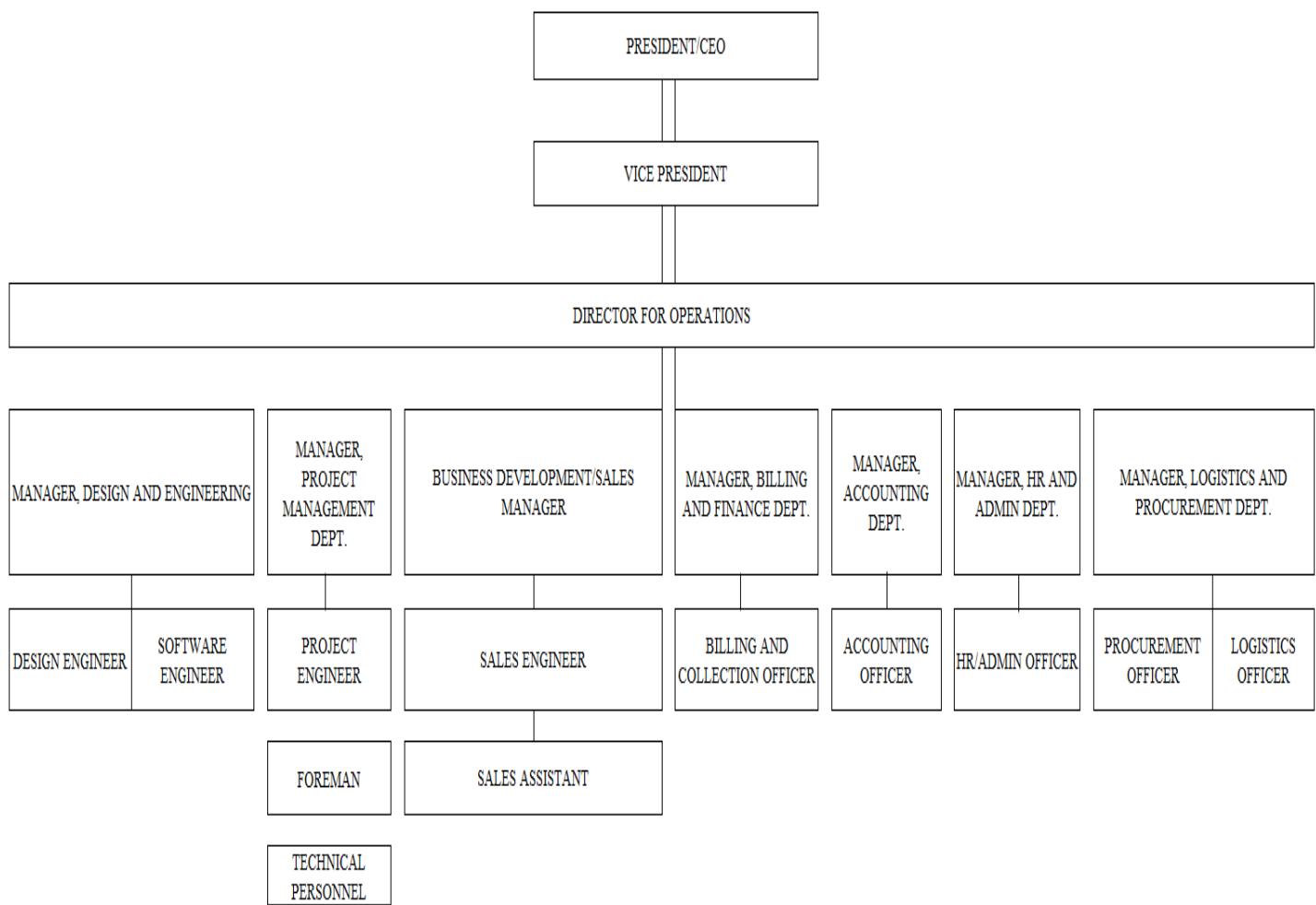
OCN: 034RC2023000001898
Date OCN Generated: May 11, 2022

CERTIFICATE OF REGISTRATION

TIN & BRANCH CODE B08-556-240-20000	NAME OF TAXPAYER THE SENTINEL AUTOMATION AND SECURITY SOLUTIONS INC.	TIN ISSUANCE DATE May 10, 2022
REGISTERING OFFICE X Head Office		Branch
REGISTERED ADDRESS 100 KAREN AVENUE, HEN T. DE LEON 1442 CITY OF VALENZUELA NOR, THIRD DISTRICT PHILIPPINES		

TAX/TYPES	FORM TYPES	FILING START DATE	FILING FREQUENCY	FILING DUE DATE
CORPORATE INCOME TAX	1702	January 1, 2023	ANNUALLY	On or before the 15th day of the 4th month following the close of the taxpayer's taxable year.
CORPORATE INCOME TAX	1702Q	July 1, 2022	QUARTERLY	Within one (1) day following the close of each of the first three (3) quarters of the taxable year.
REGISTRATION FEE	0404	January 1, 2023	ANNUALLY	On or before the last day of January.
VALUE ADDED TAX	2555M	June 1, 2022	MONTHLY	Not later than the 20th day following the close of the month.
VALUE ADDED TAX	2555Q	July 1, 2022	QUARTERLY	Not later than the 20th day following the close of each taxable quarter.
WITHHOLDING TAX - COMPENSATION	1601C	June 1, 2022	MONTHLY	On or before the 10th day of the month following the month when the withholding was made except for taxes withheld for December which shall be paid and remitted on or before January 10 of the succeeding year.
WITHHOLDING TAX - COMPENSATION	1604C	January 1, 2023	ANNUALLY	On or before January 31 of the year following the calendar year in which the compensation payment and other income payments were paid or accrued.
WITHHOLDING TAX - EXPANDED OTHERS	3019C	June 1, 2022	MONTHLY	On or before the 10th day of the month following the month in which withholding was made.
WITHHOLDING TAX - EXPANDED OTHERS	3019Q	July 1, 2022	QUARTERLY	Not later than the 10th day of the month following the close of the quarter during which withholding was made.
WITHHOLDING TAX - EXPANDED OTHERS	1804C	January 1, 2023	ANNUALLY	On or before March 1 of the year following the calendar year in which the income payments subject to expanded withholding

ORGANIZATIONAL CHART



THE TECHNICAL STRUCTURE

ENGINEERING AND DESIGN

- Unleash your vision's potential! Our engineering design team blends creativity with technical expertise to transform ideas into functional, high-performing solutions. We use a systematic approach, iterating through prototypes until we bridge the gap.



PROJECT MANAGEMENT

- We orchestrate success! Our project management team thrives on keeping complex projects on track. We leverage industry-leading methodologies and cutting-edge tools to meticulously plan, execute, and monitor progress. We ensure a successful project delivery.



SOFTWARE DEVELOPMENT / R & D

- We turn ideas into reality. Our skilled engineers craft software solutions using the latest technologies. Our expertise spans the entire development lifecycle, from meticulously designing architecture to testing and deployment. This ensures our software is up to standard.



POST PROJECT SERVICES

- Our commitment extends beyond the finish line! We offer comprehensive post-project services to ensure your success in the long run. This includes user training and support, ongoing system maintenance and optimization, and readily available technical assistance.



SYSTEMS & SERVICES

Access Control System

A state of the art software platform for controlling and managing access processes in buildings and building periphery. The system provides efficient access permissions management for small and medium -sized companies based on simple locking plans and/or fixed access profiles.



Video Surveillance

Avigilon Control Center (ACC) software is an easy-to-use video management software that is designed to optimize the way security professionals manage and interact with high-definition video. It efficiently captures and stores HD video, while intelligently managing bandwidth and storage using our HDSM Technology.



Automatic Sliding Door

Automatic sliding door operators and door systems create a welcoming and functional entryway to your business. From overhead concealed and glass entry doors, to weather and burglary resistant doors, our range of touchless solutions will make your facility entrances more convenient, attractive, and secure.



Fire Detection & Alarm System

Achieve protection at every level with our state-of-the-art fire protection solutions. We have a complete line of detectors and other alarm components applicable to different businesses with different requirements.



Pay Parking Automation

Contribute to the development of smart Cities through Smart Parking Technologies in order to Minimize time wasted by parkers to look for parking and to pay for parking.



Building Management System

We design a futuristic technologically advanced AI and IoT solutions that enables building managers and occupants to connect and control the environment for comfort, energy savings, efficiency and safety.



Intrusion Alarm System

Professional grade systems designed for home security or business applications. Intrusion alarms that are affordable and powerful with plenty of room for expansion.



Revolving Door

Automatic rotating doors are an ideal solution for energy efficiency, convenience and security. With everything from high capacity to security revolving doors, our designs offer smooth traffic flow regardless of your requirements. Whatever the entrance needs, you will be able to create your own individual statement.



Public Address & Controlled Evacuation

Fill the silence and create an atmosphere with our flexible system that support both simple and the most complex communication and background music needs.



Home Automation System

Whole Home Lighting Control made Simple. It is a NEW, differentiated lighting and shading system providing smart home capabilities to the homeowner, while providing simple design, install, and setup for the service provider.



CERTIFICATES

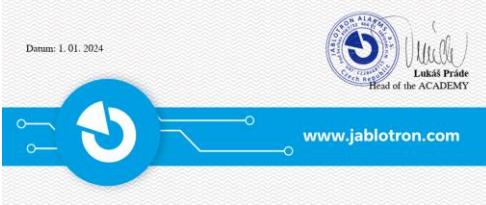
JABLOTRON

The holder of this certificate has successfully passed training on the JABLOTRON 100+ alarm system.

NAME: Marilyn Stringan
COMPANY: The Sentinel Automation and Security Solutions Inc.
ISSUED BY: Jaroslav Brum M.Sc., President of JABLO-SYSTEMS Inc.

This certificate confirms that the training participant has been fully informed about the technical parameters and correct use and installation of JABLOTRON ALARMS a.s. products. The certificate holder is hereby obliged to install the systems according to the valid laws, official technical documentation, and manufacturer recommendations, and also based on good business etiquette.

This certificate is valid for a period of 1 years starting on the date of issue.



Partner Certificate

Building Automation Systems
Fire Safety

Siemens Pte Ltd, Smart Infrastructure, Building Products confirms that

The Sentinel Automation and Security Solutions Inc

meets all qualification criteria and is authorized to use the name Siemens Solution Partner Building Technologies.

This certificate is valid until December 2024

[Signature]
Katherine Chick
Regional Manager
Smart Infrastructure, Building Products
Siemens Pte Ltd



September 6, 2022

ATTENTION: To Whom It May Concern

SUBJECT : MANUFACTURERS CERTIFICATE

To whom it may concern,

We, **HANWHA TECHWIN CO., LTD** who is the official manufacturer of Hanwha Techwin's CCTV – Wisenet (Formerly Samsung Techwin) and its related surveillance equipment having our office address at **Hanwha Techwin R&D Center 319-6 Pangyo-ro, Bundang-gu, Seongnam-si Gyeonggi-do 463-400, Korea** do hereby certify that

The Sentinel Automation and Security Solutions Inc, with office address at **1089 Karen Avenue Brgy. Gen. T. de Leon, Valenzuela City, Metro Manila Philippines**, is one of our Authorized Partner to sell and render after-sales support for above mentioned products in the Philippines.

Furthermore, Hanwha Techwin will support **The Sentinel Automation and Security Solutions Inc**. For all Sales and after sales services in regards with Projects within the Philippine Region.

Truly yours,

[Signature]
Woosin Kim
Director /Overseas Sales Team
HANWHA TECHWIN CO., LTD.



HID Asia Pacific Limited
Unit C, 8/F, Kowloon International Center,
19 Wang Chiu Road,
Kowloon, Hong Kong, China
MAIN + 852 3160 9800
FAX + 852 3160 4809
hidglobal.com

Manufacturer's Certification

HID GLOBAL, as the manufacturer of HID brand of readers, cards, controller and other access control products and peripherals, certifies that **The Sentinel Automation and Security Solutions Inc** with office address at Unit 232 2nd/F Cityland dela Rosa Condominium Makati City Philippines is our Authorized Reseller and System Integrator for 2024

Thus **The Sentinel Automation and Security Solutions Inc**, is capable to sell and market HID Physical Access Control System products.

As such we would extend our full support and warranty to them of HID Physical Access Control System products as stated in our sales policy.

Should you have any queries, please do not hesitate to contact us.

Very truly yours,
For and On Behalf of HID Global

[Signature]
IAN MARCOS
HID Regional Sales Manager
Philippines & Vietnam
Physical Access Control System
Email: cmarcos@hidglobal.com

[Signature]
security.gallagher.com



PART OF ASSA ABLOY

ASSA ABLOY

THIS CERTIFICATE HEREBY DESIGNATES

The Sentinel Automation and Security Solutions Inc

AS AN

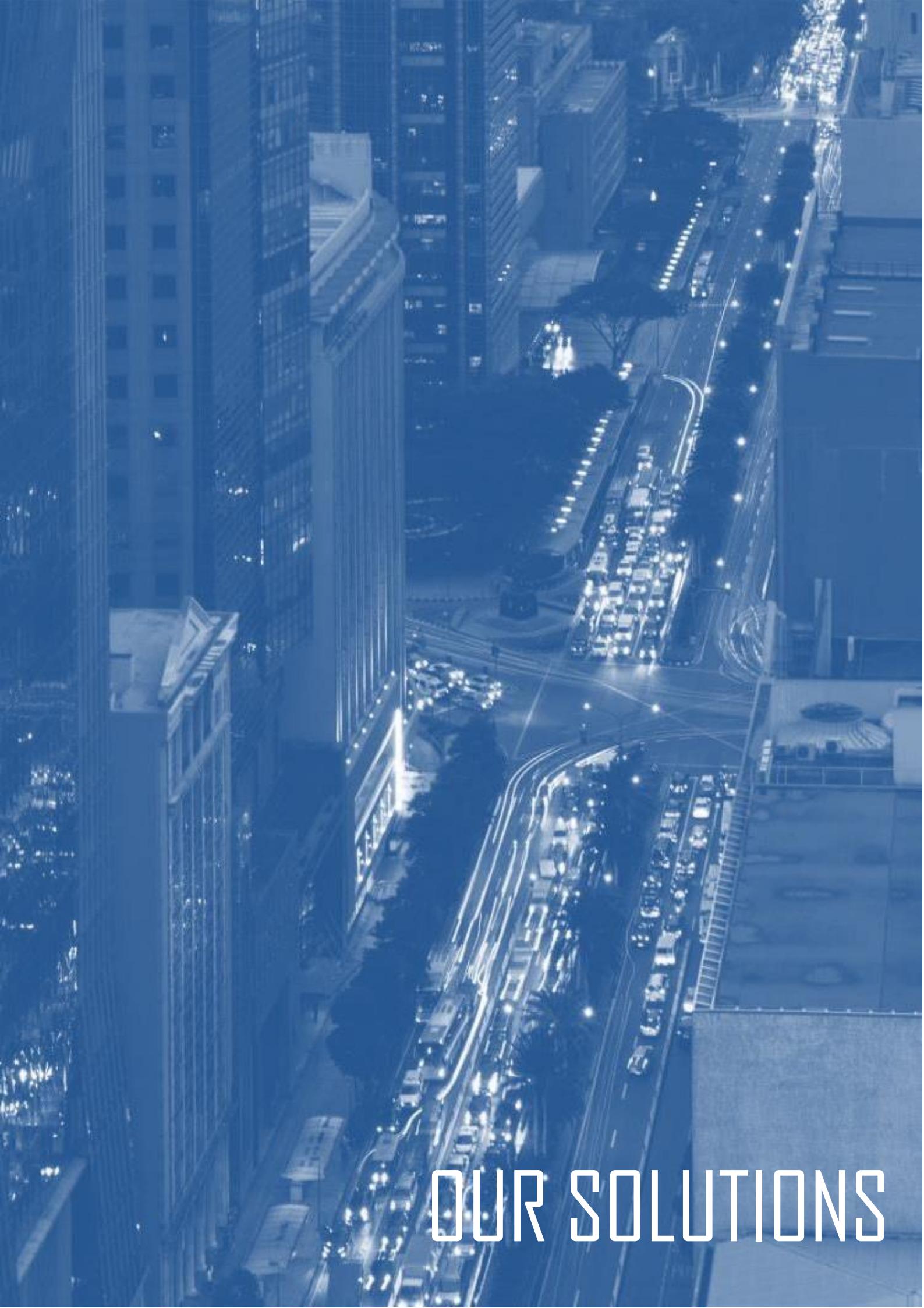
Avigilon Preferred Partner

This designation is valid through:

31st March 2025

[Signature]
Jonathan Farmer - Director, Global Channel Operations



The background of the image is a high-angle, nighttime aerial photograph of a dense urban area. The city is filled with numerous skyscrapers, their windows glowing with light. A complex network of elevated highways and overpasses cuts through the city, with many cars and trucks visible as small white dots. The city lights reflect off the water of a large river or bay that runs through the center of the frame. The overall atmosphere is one of a bustling, modern metropolis.

OUR SOLUTIONS

ACCESS CONTROL SYSTEM

Command Centre

Site management software



ACCESS CONTROL SYSTEM



Business solutions tailored for you

We're dedicated to continually enhancing your Command Centre experience by providing richer value through exciting enhancements, features, and integrations. You won't be waiting long for these upgrades either, because we roll out two major releases per year to ensure you're at the forefront of innovation.

We believe in making things easy for you, which is why you'll find our list of core Command Centre features below, available to you right out of the box. But our list of features doesn't stop there, with a variety of additional licensable features available to you when you need them.

Core Features	Licensable Features
Action on Access	VMS integration
Guard Tours	Rest API
Divisions	Visitor Management
Advanced Reporting	Elevator integration
Site Plans	Key cabinet integration
Zone Counting	Third party readers
Anti-Passback	Locker management
Interlocking	Car park management
Broadcast Notifications	Tagboards
Base Licenses	Intercom integrations
Base Credentials	Sensor integrations
Proximity and Contract Tracing Report	Additional licenses
Security Health Check	Additional credentials

ACCESS CONTROL SYSTEM

Controller 6000

The Gallagher Controller 6000 (C6000) delivers real-time decision making in the field, ensuring your site operates safely and efficiently.

Scalable, intelligent control

The C6000 is an IP based controller, capable of managing all localized access control, intruder alarms, perimeter security, business automation and logic needs for an organization.

Able to operate independently from the Command Centre server, the C6000 ensures predefined responses to monitored events, site safety and continuity. The C6000 features a highly scalable system design, able to scale from single controller systems to global systems with 1,000+ controllers.



Key features

- IP based 10/100 Ethernet connectivity, with 1Gb network option
- Access control support for up to 10 wired doors, with multiple readers configurable per door
- Intruder alarms monitoring and transmission to external monitoring stations
- Serverless enforcement of business policy, ensuring staff operate in a safe and secure environment
- High speed RS-485 connectivity and software updates to field devices
- Programmable controller based logic, able to operate independently of the server
- Strong authentication and encryption between the C6000 and all Gallagher elements of the system
- Support for elevator access control
- Support for integrated perimeter security
- Support for integration directly with building management systems
- Support for multiple wiring topologies, allowing easy connectivity of existing field devices without re-wiring
- Native programming interface for integration between the controller and 3rd party systems, independent of Command Centre server connectivity
- Multiple cabinetry and powering options dependent on site requirements
- Peer-to-peer inter-controller monitoring
- High security variants for advanced security needs

Provides support for up to:

- 256 alarm zones
- 2000 access groups
- 400 time schedules
- 500,000 standard cardholders
- 100,000 Mobile Connect credentials
- 80,000 events
- 60 inter-controller peer to peer connections
- An unlimited number of access zones

Access Control

The C6000 supports access control of up to 10 doors, without the need for further downstream door controllers. The controller supports connectivity to a range of reader protocols, including Gallagher T-Series HBUS, CardaxIV, and 3rd party Wiegand, OSDP, and Aperio™ readers. The C6000 also provides a range of wiring connectivity options for re-use of existing site wiring, with reader connectivity and door I/O options such as the:

- 8H / 4H Module - Connecting directly into the controller, supporting respectively 8 or 4 readers and door I/O (HBUS)
- 8R / 4R Module - As above, supporting respectively 8 or 4 readers (CardaxIV), or 4 or 2 readers (Wiegand) and door I/O
- HBUS Door Module / HBUS Door Mobile Wiegand - Connected via RS-485 wiring to the controller, supporting 2 readers (HBUS or Wiegand respectively) and door I/O

The controller supports advanced access control functions such as mobile credential support, anti-passback, anti-tailgating, dual authorization, elevator floor access, and visitor escorting functions.

Intruder Alarms

Used in conjunction with the Gallagher T20 Terminal, the C6000 supports full intruder alarms functionality, including arming and disarming, entry and exit paths, sensor walk testing, and high security options such as authenticated and encrypted sensor communications and sensor masking detection alarms.

The controller supports transmission of alarms to external monitoring stations via LAN/WAN networks using encrypted DC09 or CSV IP Alarms standards, cellular networks (via optional Cellular Modem, or PSTN networks (via optional Gallagher Dialer).

Business Policy Enforcement

The C6000 is capable of enforcing business policy at the door, ensuring that all staff and visitors remain physically safe and compliant on site. This can include enforcement of an individual's compliance to enter an area (e.g. site inductions, licenses, and accreditation), safety policies (e.g. automated site lockdown based on a combination of pre-defined events), drug and alcohol policies (e.g. randomized alcohol testing prior to site entry), and fatigue policies (e.g. enforcing rest periods before site re-entry), with enforcement occurring irrespective of Command Centre server connectivity.

ACCESS CONTROL SYSTEM

T-Series Readers

The Gallagher T-Series Reader and Terminal range provides contactless card functionality for access control management in your business.

Fast and secure access control

Utilizing the high speed RS485 HBUS protocol, Gallagher readers can offer an unparalleled access decision response time.

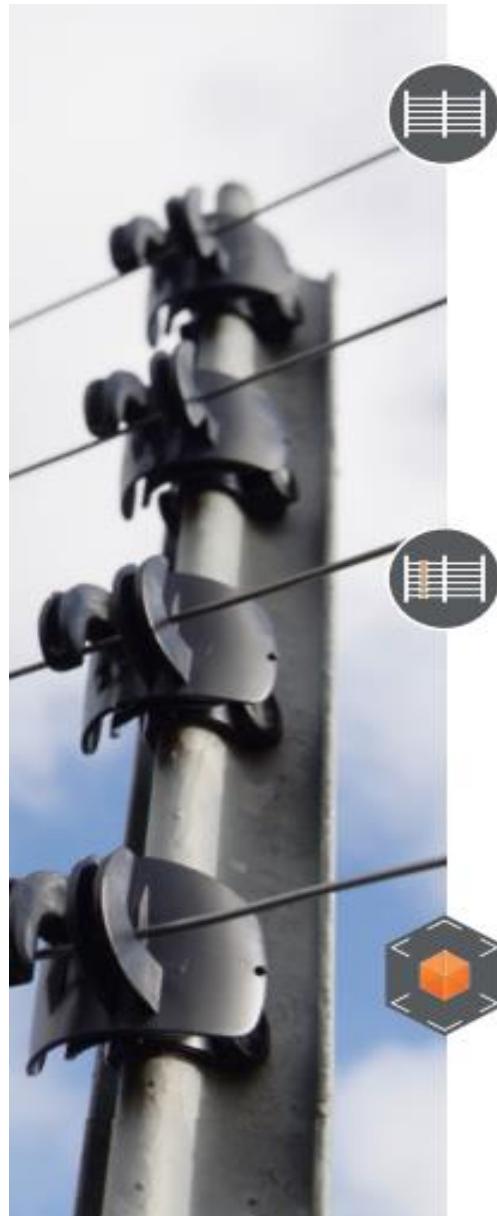
Features and benefits

- Support for multiple card technologies including: MIFARE DESFire EV1®, EV2® and EV3®, MIFARE Plus® and MIFARE Classic®, as well as optional 125 kHz proximity and Bluetooth® wireless technology
- Field upgradeable software
- Secure reader authentication and encryption of data communications with HBUS
- Upgrade software in situ to keep your system up to date with the latest technology developments

- Protection from extreme environmental conditions
- Environmentally friendly - RoHS compliant and designed for minimal power consumption
- Backwards compatibility - the readers are compatible with Cardax IV enabled hardware
- Support for custom site encryption keys
- Heartbeat monitoring for real-time reader status
- Extensive selection of mounting, and protection accessories



PERIMETER SECURITY SOLUTIONS



Prevention

Energized pulse

Energized fences are a powerful deterrent, preventing or delaying intruders.

- Fully monitored fence line, attack detection and maintenance monitoring
- Reliable protection day and night.
- Adjustable voltages, high for maximum deterrent and low for periods of low risk
- Configurable protection zones, adjust a site specifically to the deterrent level required

Detection

Monitored perimeter

Sensors can be used with the networked Gallagher security fence as an additional layer of detection, or for sites wanting to monitor activity without the deterrent pulse.

- Detect intrusion without the intruder being aware
- Continuously measure and report on wire tension
- Monitor fence structure vibration or movement

Management

Managed perimeter

Gallagher's Command Centre is a powerful operator-friendly security management system.

- Full integration between perimeter, intrusion, access control, and video management systems
- Powerful reporting on detail such as fence voltage levels, operator use statistics or specific zone alarm data

Gallagher perimeter products are designed to comply with international safety and electromagnetic compatibility standards. These standards set out the safety requirements for the design, installation, and operation of pulse fencing and associated equipment.

Every energizer product developed by Gallagher is tested in New Zealand laboratories accredited by IANZ (International Accreditation New Zealand). Internally, Gallagher has staff dedicated to reviewing changing standards and ensuring products are compliant with all legal specifications.

As recognized industry experts in energized fencing technology, Gallagher is an invited member of the Global Standards Committee which develop and update energized fencing safety standards.

Perimeter Solutions Controllers



F-Series Fence Controllers

A single energizer platform that does everything from simple, single fence zone protection to complex multi-controller, multi-technology, fully networked solutions.



Available in four variants, Gallagher's F-Series Fence Controllers are the next generation in high-performance control for the Gallagher monitored pulse fence system.

F-Series Fence Controllers deliver maximum intruder deterrence, superior detection capabilities and exceed global safety standards.

Two Configurations

Deployable as a stand-alone fence controller (for use with an alarm panel), or as a fully networked controller with a full suite of integrated capabilities. Configurations can be changed easily with an onboard switch.

Dual Pulse

The F32/F42 controllers can be configured as a single dual pulse zone with alternate positive and negative pulse on fence wires for extra deterrence.

More Features

- Available in two models; single circuit (F31 and F41) or dual circuit (F32 and F42)
- F4 models feature HVplus mode for additional deterrent
- F-Series delivers 2.3J output per circuit (3.6J for F4 HVplus model)
- Easy maintenance design
- Alarms for fence zone, battery missing, battery test failure, tamper, over-temperature, LV signal loss, conflicting sync masters, or service mode enabled
- Five day historic alarm retention
- Support for external power management options
- Voltage and temperature reporting
- Automatic software upgrades
- Internal temperature monitoring

For more information, refer to the datasheet:
F3 Fence Controller / F4 Fence Controller

F22 Fence Controller G21902

The F22 provides a networked perimeter security system with full configuration, control and monitoring through Gallagher Command Centre.

- Independent fence zones (x2)
- 2.4J output per zone regardless of loading
- Pulse synchronization for integration of multiple controllers and other electric fences
- Dual pulse functionality of up to 16kV, for enhanced deterrence
- In-built protection against extreme temperature
- High speed HBUS communication with Command Centre automatically updates software
- Alert and warning features to avoid fence zone failures



For more information, refer to the datasheet:
F22 Fence Controller

HARDWARE & PERIPHERALS



Fence hardware

Security fencing is the first step in protecting businesses from intruders.



Effective security fencing requires unique custom design and construction to meet the challenges of individual sites. Gallagher has focused on developing reliable fencing hardware that is easy to install, easy to maintain and designed to cope with different site challenges.

Every site has individual challenges, and the flexibility of Gallagher's perimeter security solutions enable those challenges to be met and overcome. Unique site challenges include:

- Environmental extremes (cold, heat, salinity, wind, rain)
- Size considerations (100's of kilometers of fenceline, or a single isolated zone)

- Varying intruder behaviors, intensity and purpose
- Site geometry (rooftop defenses, multiple gate locations)
- Customer expectations (aesthetics, business requirements)

Gallagher supplies a wide selection of fence hardware and accessories to meet the unique requirements of any perimeter project.

For more information on fence hardware contact:
Gallagher or a Gallagher Certified Channel Partner



Security posts



High Conductivity Wire



K20 Tensioner Link System



Lightning Diverter



Security Insulator



High Voltage Gate Switch



Perimeter Sensors

Sensors provide continuous awareness of events at the perimeter

Sensors are able to quickly identify intrusion attempts without alerting the intruder. Responses can be deployed, and attack metrics can be gathered to increase knowledge of perimeter activity. Sensors can also be added to existing perimeter defenses to significantly improve the probability of detection in multi-technology and layered perimeter solutions.

Z10 Tension Sensor G13110

The Z10 sensor provides continuous, real-time, wire tension measurement, detecting both fast and slow attacks. Fully integrated with Gallagher Command Centre (v7.10 and later), the sensor uses the HBLIS communication protocol (including compatibility with high security AES 128bit encryption) to deliver quick and secure perimeter status information.

- Attack alarm based on single or multiple sensors
- High, and low, wire-tension maintenance alarms
- Differentiation between environmental changes and attacks
- Fast installation using self aligning Pivoting Mount Technology as well as plugged and IDC connectors
- Overload protection to 200kg (440lb)
- Options to retrofit to existing Gallagher perimeter security systems



For more information, refer to the datasheet:
Z10 Tension Sensor

Z20 Disturbance Sensor G12915

The Z20 Disturbance Sensor detects vibration or movement of the fence structure, generating alarms when disturbance meets predefined criteria.

- Sensors can retrofit to existing structures
- Compatible with both electric and non-electric fencing systems
- Alarm parameters can be individualized for each sensor
- High integrity detection with low nuisance alarm rates
- Quick and easy installation, sensors fit to both curved and flat surfaces
- Available with standard (shown) or conduit clamp



For more information, refer to the datasheet:
Z20 Disturbance Sensor

3 Zone Fence Integrity Monitor G29003

Compatible with Gallagher F22, Trophy FT and Trophy Plus Controllers, the Gallagher 3 Zone Fence Integrity Monitor (FIM) enhances networked or standalone perimeter security systems through continuous fence circuit monitoring.

- Maintains fence monitoring during times of low risk or when people are in close proximity
- Ensures the fence is fully functional when enabling the deterrent pulse
- Can retrofit to existing systems
- Provides 'cut wire' and 'short circuit' detection without changing fence configuration
- Can be installed as a stand-alone fence monitor



For more information, refer to the datasheet:
3 Zone Fence Integrity Monitor



Command Centre

Utilizing a client server architecture, Gallagher Command Centre provides a powerful and versatile feature set enabling system operators to configure, monitor, and control the security system.



Gallagher enables powerful management of site systems through the Command Centre software. Advanced multi-zone protection on single or multiple distributed sites is provided and perimeters can be integrated with other security systems such as imaging, intruder alarm or access control, alarm monitoring and signaling. Gallagher Command Centre can be fully customized to suit your business needs, providing

- Site hardware and system components, including: access, intruder alarm and perimeter security fencing
- Schedules to automate access and alarm state changes. Doors may be configured as requiring card only, card plus PIN, dual access (two unique cards), free access etc
- Entry and exit delays for intruder alarm zones
- Individually programmed responses for a cardholder or all members of an access group

- System division and assigned privileges to manage operators
- Communication with Gallagher Controllers with peer-to-peer communication independent of the server. This allows data to be automatically distributed to areas of the system where it is required
- Dial-up support for remote sites or off-site alarm monitoring
- Communication between Gallagher Command Centre and Gallagher Controllers using up to 256 bit AES encryption; a recognized industry leading level of data protection
- Configuration, live operation and reporting of on-site guard tours

For more information, refer to the datasheet:
Gallagher Command Centre

Command Centre Mobile App

The Gallagher Command Centre Mobile App enables you to extend your security and access control directly to where you need it.

Downloadable from the Apple App and Google Play stores, this software provides you with the ability to manage your security from your mobile device.

The Mobile App interfaces directly with Gallagher Command Centre, providing a secure link directly to the site management capabilities that already bring security and business efficiency to your site.

iOS and Android

The Mobile App is available on both iOS (8.0 +) and Android devices (5.0 +). The optional products such as the Mobile Reader and Access Reader feature are only available on iOS.

For more information on Command Centre Mobile app,
visit our website: security.gallagher.com





Perimeter Integrations

The power of Gallagher Command Centre allows extensive integration with other systems*. This enables seamless interaction with third party perimeter products or extends the capabilities of Command Centre at the perimeter to provide greater site management value.



Gallagher Networked Perimeter Security System

A high-level interface between Gallagher Command Centre and the Gallagher perimeter security system delivers multi-site, multi-zone control and monitoring through a single graphical user interface.



Video integrations

Command Centre integrates with and monitors world-leading video systems.



ASCII Interface C12669

Gallagher's ASCII interface provides a generic means to interface to building systems.



Dynamic Exit Zoning C12591

Cardholders are accounted for in Command Centre via the vehicle they're traveling in, without the need to badge at each access gate they travel through.



Mobile Cardholder Challenge C12701

Allow guards to randomly check a cardholder's details by badging their card against a mobile device.



Regulated Zones Reporting C12639

Monitor time-on-site for all visitors, employees, and contractor cardholders within a configured time zone.



Competency Module 2A8959

At the door determine a person's suitability for access including their training and certification needs, and fitness for work.



Fatigue & exposure management

Reduce unnecessary downtime or accidents by identifying individuals who may be at risk of fatigue.



Visitor Management Web Service

C12671

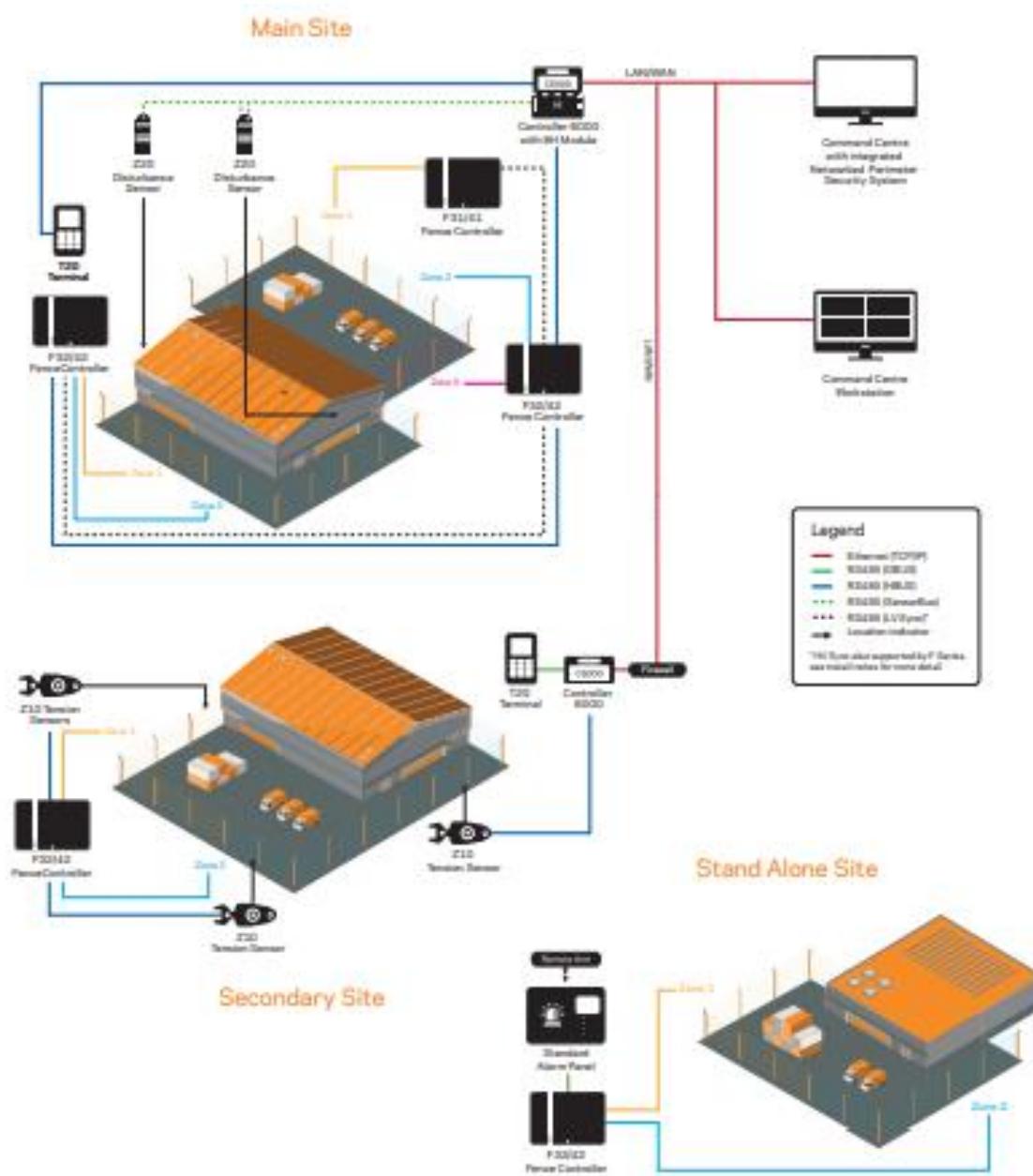
Automatically manage visitors on and off site, including updating visitor details, capturing photos, printing visitor labels, and more.

For more information on our integrations visit the Gallagher website: security.gallagher.com

*Some integrations require optional licenses. Contact Gallagher or a Certified Channel Partner to find out more.

Perimeter Systems Overview

Gallagher leverages cutting-edge research, development and manufacturing capabilities to bring complete security to diverse sites.



ACCESS CONTROL SYSTEM

Control iD

Facial Recognition Access Controller **iDFace**

With a modern and innovative design, iDFace is the ideal device to monitor and control people entering and exiting a building with the use of facial recognition technology. Its high quality algorithm enables face liveness detection, authentication of users wearing a mask and identification of up to 10,000 faces (1: N)*. iDFace has an integrated SIP intercom*, TCP/IP, USB, Wi-Fi* and Bluetooth* connectivity. The device also features a 3.5" touchscreen display and an embedded web software that makes it easy to manage access rules and generate reports.

- Identification of up to 10,000 faces with face liveness detection*
- 3.5" touchscreen display
- TCP/IP, USB, Wi-Fi* and Bluetooth* connectivity
- Integrated SIP intercom*
- Customized access rules according to groups and schedules
- IP65 ingress protection rating



* Available on select models

ACCESS CONTROL SYSTEM

Control iD

iDFace

Facial Recognition
Access Controller

TECHNICAL SPECIFICATIONS

ACCESS CONTROL

Number of Users

More than 200,000 registered users

Number of Faces

Up to 10,000 faces with face liveness detection*

Access rules

Access rules according to schedules and departments

Door control

1 door with REX button and door sensor inputs

Relay Output

1 relay rated up to 30VAC / 5A

Wiegand Input

1 native port

Wiegand Output

1 native port

* Available on select models

COMMUNICATION

Ethernet

1 native 10/100Mbps Ethernet port

USB

1 USB 2.0 Host Port

RS-485

1 RS-485 port for communication between the external access control module and terminal

Wi-Fi

Integrated Wi-Fi connectivity (optional)

GPRS

Optional GPRS module

SIP Intercom

Integrated SIP intercom (Pro)

IDENTIFICATION METHODS

Facial Recognition

Two 1080p Full HD cameras (visible light and infrared light)

Proximity Cards (optional)

MIFARE™ or 125 kHz ASK Technologies

Password

User identification through PIN and password

QR Code

User identification through QR Code

USER INTERFACE

LCD Touchscreen

3.5" TFT Color LCD Display (320x480)
with Capacitive Touchscreen

Integrated Web Software

Complete access control management
from your browser

Audio

Built-in speaker and microphone



GENERAL CHARACTERISTICS

General dimensions

76.7 mm x 54.5 mm x 174 mm (W x D x H) - Terminal
52mm x 52mm x 22mm (W x D x H) - External Access Control Module

Equipment weight

240g - Terminal
35g - External Access Control Module

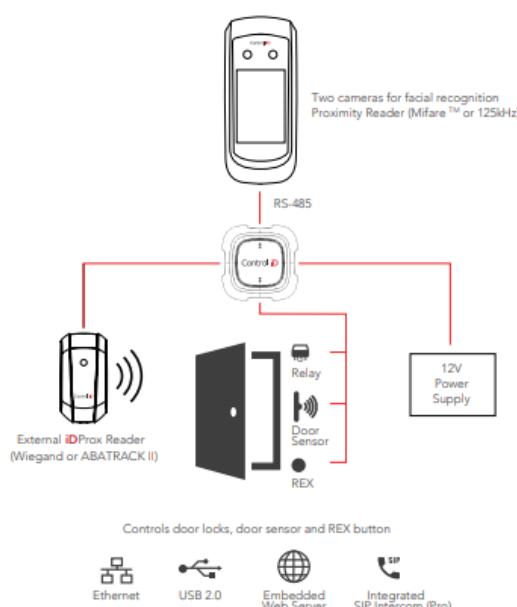
Power input

External 12V 2A source

Ingress Protection Rating

IP65

INTERCONNECTION DIAGRAM



ACCESS CONTROL SYSTEM

Speedgate ASSA ABLOY SG Expression

ASSA ABLOY
Entrance Systems

Experience a safer
and more open world



The ASSA ABLOY SG Expression – moving by design

The ASSA ABLOY SG Expression is an advanced design speedgate that combines a fully customizable color palette and flexible design options with the latest digital entrance technology.

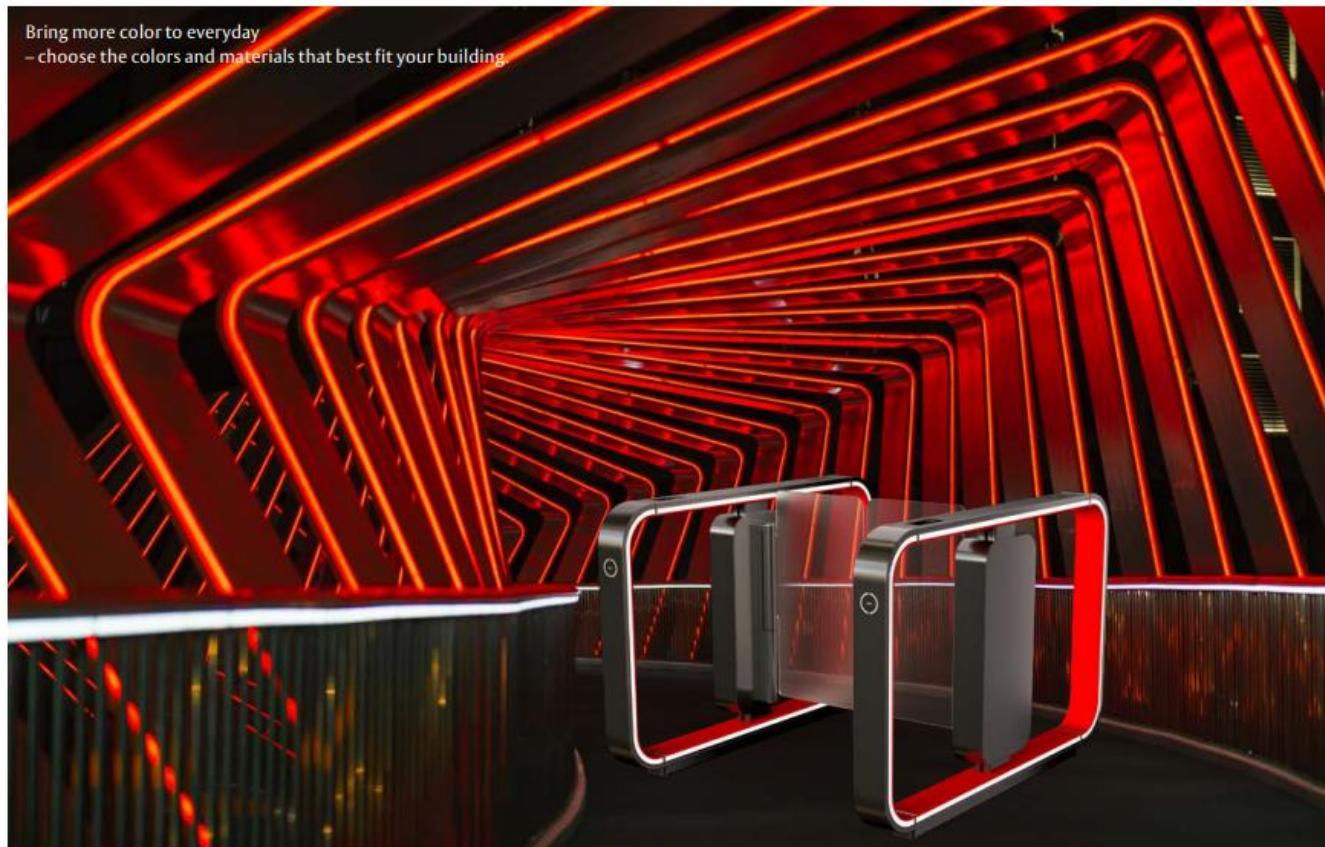
This speedgate lets you transform what would otherwise be a standard pedestrian traffic control feature into a celebration of your brand expression. Available in multiple finishes and cabinet designs (Open, Boxed or Center Glass), the ASSA ABLOY SG Expression is easily adaptable to your interior design requirements — and is a simple and attractive way to showcase your brand identity.

With this sleek, modular design of our speedgate, we are intentionally aiming to move both your body and your mind. This is what we call moving by design: a different way to experience access control.

Design specifications

Power supply	110–240 VAC, 50 / 60 Hz
Auxiliary voltage	24 VDC
Operating temperature	+0°C to +50°C
Passageway width	600 mm to 1100 mm
Wing heights	1000/1200/1800 mm
Minimum opening /closing times	0,7 sec (depending on passageway width)
MCBF	10.000.000 mean cycles between failures (with recommended maintenance)
Noise level	55 dB at 1 m distance
IP Protection	IP40 (conforms to EU standards)

ACCESS CONTROL SYSTEM



Essential functions and interface features

Integrated technologies

The ASSA ABLOY SG Expression is designed and equipped for a positive experience of secure access. Your people flow experience will benefit from the latest advances in identification technologies and digital traffic management, all working together to smooth the way for efficient access that your visitors will appreciate.

Advanced security

As an innovative addition to the ASSA ABLOY Security Entrance Control portfolio, SG Expression is designed for seamless integration with existing entrance system products and solutions. It gives you even more flexibility in designing controlled high-flow passage that will fit right in with any project size and scope.

Customizable design

The ASSA ABLOY SG Expression is designed to make an impression. Thanks to its sleek rounded details, modular construct options and wide range of colour customization opportunities, this speedgate helps you transform pedestrian access control points into engaging design complements to your brand.

Accessible for all

Anyone should be able to physically move in and out of buildings, no matter their age or physical abilities. The SG Expression's wider passageway options, as well as the audiovisual guidance provided by its LED light bands, makes it easy for wheelchair users, parents with strollers or couriers to pass through as well.

Accessories

- Top mounting integration options
- Face recognition integration
- 10" control display (up to 5 lanes)
- Ramp for finished floor installations

Options

- Cabinet design: Open, Boxed or Center Glass
- Cabinet lengths: 500/1200/1450/1700mm
- Surface treatment: RAL, anodized
- Inlay: RAL, anodized or customized

ACCESS CONTROL SYSTEM

Speedgate ASSA ABLOY SG200 Series

ASSA ABLOY
Entrance Systems

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and more open world



Essential functions and interface features

High flow rate

The SG200 slim speed gate provides maximum security even for an exceptionally high flow rate of people. The illuminated indication pictograms give clear directions to staff and visitors for the best possible route they can take, and the adjustable gate direction control adds flexibility to all building entrance control systems.

Reliability and long life cycle

Our reliable mechanical system (augmented with state-of-the-art electronics) allows for maximum stability, as well as ensuring a consistently low level of maintenance to provide permanent service life – leading to a significantly higher return-on-investment than our competitors' products.

Top-notch security

With our advanced detection system, up to 72 sensors and sensor-based algorithms work together to track the passage of authorised users, while controlling unauthorised and/or fraudulent attempts at the same time. This provides the maximum security level against unlawful passages such as tailgating, piggybacking, wrong-way passage etc. (This is also the reason we provide taller barrier wing options – for more details, see Design Specifications.)

Emergency and power cut modes

In the event of an emergency, two options are available:

1. Locking unit is released and barrier wings become unlocked (i.e. people can move freely between them).
2. Barrier wings become unlocked only in selected directions and remain so during alarm.

Design specification

Construction:	Steel
Passage width:	650 / 915 / 1200 mm
Barrier wing height:	950 / 1200 / 1800 mm
Logic Voltage	24V DC
Opening and closing times:	0.7-1.5 sec

Options and accessories

- Polycarbonate or acrylic barrier wings
- Powder coated steel panels
- Stainless steel base plate
- Card inserter
- Access controller integration brackets and posts
- Fail-locked/Emergency-lock



945 mm

1200 mm

1800 mm

ACCESS CONTROL SYSTEM

Speedgate ASSA ABLOY SG100 Series

ASSA ABLOY
Entrance Systems

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Essential functions and interface features

Customisable settings

The SG100 speed gate turnstile has a logic-controlled interface and operates bi-directionally. Entrance and exit directions can be individually set as controlled, locked, or free rotation. After the release, the turnstile blocks itself after an adjusted time if no transition or passage occurs. If people from both directions would like to pass through simultaneously, the first person who activates the turnstile comes first.

Controlled access

When in controlled access mode, after the release confirmation sent by the access control system, the gate opens the barrier wings and enables one-person access. After each person, the barrier wings block passage again, and does not permit access from entrance or exit directions until receiving a new release signal from the access control system.

Multiple openings

An additional person is able to use the next passage cycle during an ongoing passage cycle in both directions. The turnstile controller stores up to 255 releases, and can allow the same amount of individuals to pass through.

Different security responses

During a security threat or other related incidents, the gate can respond in multiple different ways:

1. Acoustic alarm only (without blocking the lane)
2. Wings closing immediately and blocking the lane* (without an acoustic alarm)
3. Wings closing immediately and blocking the lane*, as well as acoustic alarm

Emergency and power cut modes

In the event of an emergency, the gate opens the barrier wings (a.k.a. fail-safe mode). During a power cut, however, both the mechanism and barrier wings become unlocked, so they can move freely. Once the emergency alarm stops and/or the electricity returns, the gate resets itself automatically.

LED indicators

The LED lights on the turnstile indicate the operating status in both directions.

- | | |
|-------|-------------------|
| Blue | Waiting/Standby |
| Green | Passage confirmed |
| Red | No passage |

Settings

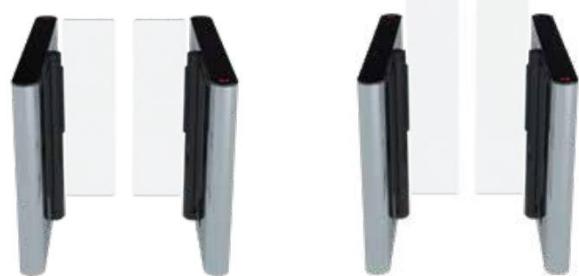
Operation mode for each direction:	Controlled / Free / Locked
Acoustic notifications:	On/Off
Release time out:	5-10-15-20 secs
Emergency connection	On/Off

Design specification

Construction:	Steel
Passage width:	650 / 915 mm
Cabinet size (WxLxH):	125 x 1325 x 1000 mm
Weight:	95 kg
Power Supply:	100 – 240 VAC, 50/60 Hz
Logic Voltage	24V DC
Operation Temperature	-20 ° / +70 °
IP Protection	Cabinet IP44
MCBF	10.000.000
MTTR	< 30 min.
Opening and closing times:	0.7-1.5 sec

Options and accessories

- Glass or acrylic barrier wings
- Company logo on glass/acrylic barrier wings
- Powder coated housing panels in RAL colour
- Stainless steel base plate
- Card inserter
- Access controller integration brackets (on demand)



1200 mm

1800 mm

ACCESS CONTROL SYSTEM

Full Height Turnstile ASSA ABLOY FT100 Series

ASSA ABLOY
Entrance Systems

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Safeguard your venue with a top quality, secure access point specifically designed for controlled physical access in rough environments.

The full height turnstile FT100 from ASSA ABLOY is an extremely robust and water-resistant solution for frequently visited secured environments. With its durable 3-section, stainless steel design, it stands up to the harshest external conditions, as well as providing several drive mechanism options for your greater comfort.

This bidirectional, logic-controlled entryway is equipped to deal with power outages and is customizable – from different design options to accessories like roofs / canopies or a full-height swing door.

You can even choose to have the FT100 delivered completely assembled or disassembled, depending on your venue. Our specialists are happy to help you in just the way you need.

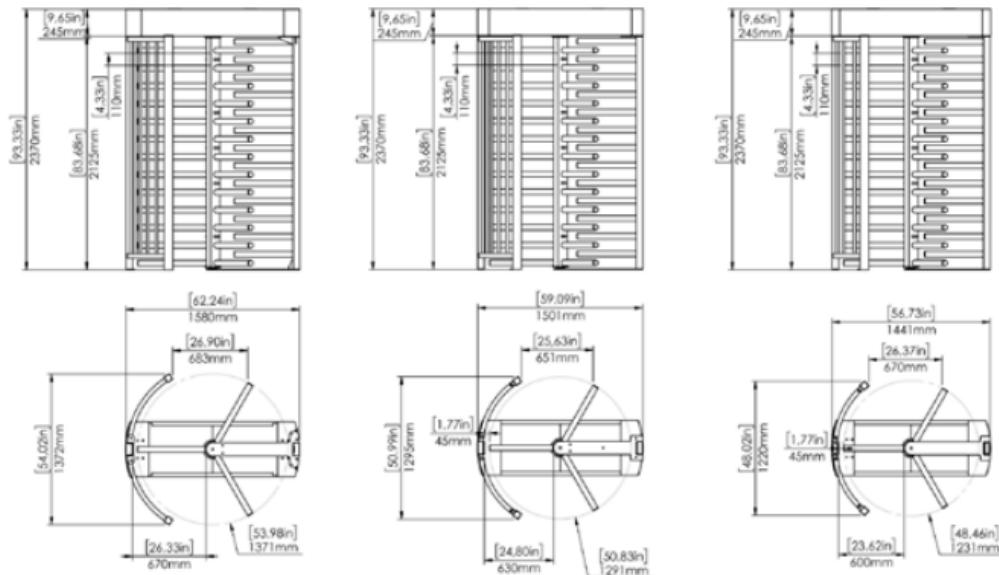
Design specification

Construction	Steel
Passage width	670 / 630 / 600 mm
Weight	390 kg
Power supply	100 to 240 VAC, 50 / 60 Hz
Logic voltage	24 VDC
Standby power consumption	12 W
Operation temperature	-20 °C to +70 °C
IP protection	Cabinet IP54 / Logic Controller IP65
Mean cycles before failures (MCBF)	10 000 000
Mean time to repair (MTTR)	< 30 min.

Options

- Electromechanical or hand-operated drive mechanism
- Assembled / disassembled delivery
- Fail-safe / fail-secure
- Stainless steel (AISI 304/316), stainless steel and powder coated, hot-dip galvanized or galvanized and powder-coated design
- Customizable LED indicators

ACCESS CONTROL SYSTEM



Essential functions and interface features

Customizable settings

The FT100 turnstile has a logic-controlled interface and operates bi-directionally. Entrance and exit directions can be individually set as controlled, locked, or free rotation. After the release, the turnstile blocks itself after an adjusted time if no transition or passage occurs. If people from both directions would like to pass through simultaneously, the first person who activates the turnstile comes first.

Controlled access

When in controlled access mode, after the release confirmation sent by the access control system, the turnstile unlocks the released direction and enables one person access. After each person, the turnstile rotor blocks passage again, and does not permit access from entrance or exit directions until receiving a new release signal from the access control system.

Multiple openings

An additional person is able to use the next passage cycle during an ongoing passage cycle in both directions. The turnstile controller stores up to 255 releases, and can allow the same amount of individuals to pass through.

Emergency modes

In the event of an emergency or power outage, the mechanism unlocks the rotor and it rotates freely in both directions. In fail-safe mode, the turnstile resets itself automatically when the emergency alarm stops or the power is switched back on. Fail-secure mode is also an option.

LED indicators

The LED lights on the turnstile indicate the operating status in both directions.

	Option-1	Option-2
Green	Standby or locked	Released or free passage
Red	Released or free passage	Standby or locked

Accessories

- Reader mounting plate
- Ceiling lights
- LED indicators
- Heating kit for -40 °C
- Roof and canopy options
- Tempered glass side panels
- Mounting plate (suitable for forklift transport)
- Mounting frame for recessed installation
- Back-up battery
- Access controller integration brackets on demand

Settings

Operation mode for each directions	Controlled / Free / Locked
Acoustic notifications	On / Off
Release time out	5, 10, 15, 20 sec
Consecutive passage	On / Off
Emergency connection	On / Off

PARKING BARRIER

Ditec QIK

Ditec QIK is the top performance automatic barrier that fits perfectly into any context. It is the ideal solution for completely secure access control and management, allowing only authorised personnel to enter.



COMPLETE PEACE OF MIND, safe and long lasting

- ✓ **base plate with anchoring clamps** to secure the cabinet solidly and firmly to the ground
- ✓ **stainless steel rivets without welding** remain unchanged over time
- ✓ **electronic anti-frost system** that guarantees the efficiency of the motor even at low temperatures
- ✓ **battery operation**: in the event of a blackout, the control panel is powered by batteries to ensure proper operation of the automation system, also essential in areas where the power supply is not always guaranteed
- ✓ **single-block die-cast gear reducer** for simple assembly and greater durability
- ✓ in the event of disturbance/interference, **433 MHz** and **868 MHz** frequencies are available
- ✓ **opening to the right or left** by simply changing the spring position
- ✓ **balancing system** that uses a single spring that works by compression

VERSATILE

to meet all requirements

Ditec QIK also includes a series of accessories:

- ✓ **bar with joint** for installing the barrier where height is limited when opening and does not allow the bar to move vertically (e.g. underground car parks)
- ✓ **LED bar lighting kit** to make obstacles visible and to indicate the automation system status: the LED is off when the bar is open, flashing during movement and steady on when the bar is closed
- ✓ **electro-mechanical lock** to guarantee greater safety and protection from undesirable openings
- ✓ **key-protected release lever** accessed quickly on the inspection side
- ✓ designed to accommodate **assembly of photocells inside the cabinet**

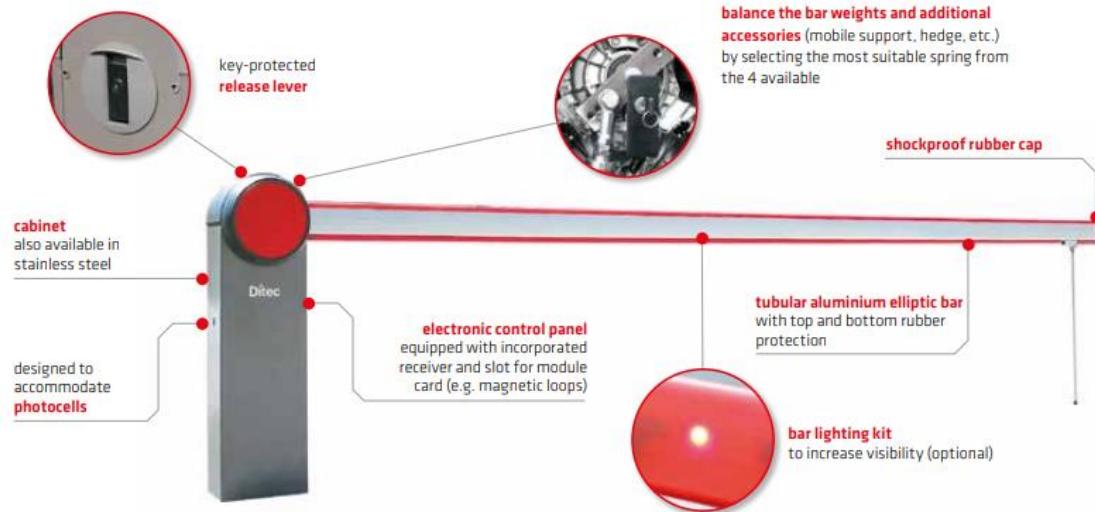


PARKING BARRIER

Ditec QIK 7EH



Aluminium elliptic arm for openings ranging from 1.3 m to 5.8 m

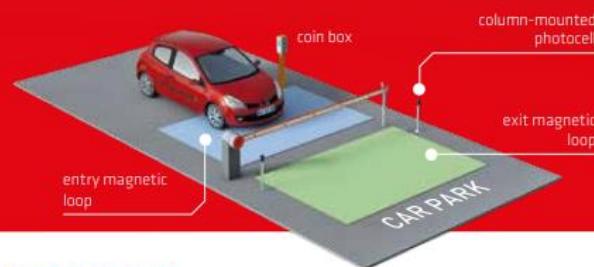


SETTINGS adjustment made simple

- **trimmers for an easy speed adjustment** during opening, closing and for automatic closing time
- **force and braking space adjustment**
- **memory module for storing remote controls:** if the control panel is replaced, the memory module can be mounted in a new control panel
- **LED diagnostics** on the control panel

MANAGE CAR PARKS that are bidirectional

Ideal solution for car parks with bidirectional access: access to the car park following authorisation or payment (e.g. coin box) while exit is free.
With the M1QKC7 accessory, the barrier recognises the transit direction of the vehicle: it disables the auxiliary control (exit magnetic loop) after releasing the safety device (e.g. photocells) only for incoming vehicles



FULL COMPLIANCE WITH EUROPEAN DIRECTIVES AND STANDARDS

- **2014/30/EU - EMCD** - Electromagnetic Compatibility Directive
- **2014/53/EU - RED** - Radio Equipment Directive
- **2006/42/CE - Machinery directive:** (Annex II-B; Annex II-A; Annex I-chapter 1)
- **Harmonised EU Standards:** EN 60335-1; EN61000-6-3; EN61000-6-2; ETSI EN 300 220-2; ETSI EN 301 489-1; ETSI EN 301 489-3
- **Other standards / technical specifications applied:** EN12453; EN62233; EN55014-1
- **Wind resistance class:** class 5



SLIDING DOOR

Automatic sliding door system ASSA ABLOY Semi Transparent & ASSA ABLOY Transparent

ASSA ABLOY
Entrance Systems

The global leader in
door opening solutions



This Product leaflet includes:

- ASSA ABLOY Semi Transparent
- ASSA ABLOY Semi Transparent telescopic
- ASSA ABLOY Transparent

Standard models

The systems are supplied for wall mounting and are available as bi-parting and single sliding with or without fixed side screens. All models are tailored to different customer requirements. The systems comprise doors, operator and safety units. Semi Transparent has clear anodized aluminium rails along the top and bottom of each door leaf together with toughened glass as standard. Transparent works in the same way, with the difference that only the top of the door leaf has an anodized aluminium rail, the bottom of the door is supported in a simple 'U' section floor guide, this gives an uninterrupted glass finish to the system. This system is ideally suited to internal applications particularly in office developments.

ASSA ABLOY Semi Transparent telescopic

Telescopic maximizes the opening width of narrow passages, providing an impressive solution when space is limited.

Accessories and Options

Profile type:

- Semi Transparent (top and bottom rail)
- Transparent (top rail only)

Profile finish:

- anodized aluminium, colour on request
- painted in colour according to RAL card

Glass type:

- 10 mm laminated
- 10 mm tempered

Glass finish: clear, green, bronze

Mechanical lock

Safety features

Semi Transparent & Transparent together with a presence detection system will further improve the safety. People or objects in the doorway are detected and the door is then prevented from closing until it is safe to do so.

Sustainability

ASSA ABLOY's automatic door systems can reduce the amount of energy needed to heat or cool a building, resulting in lower costs and a smaller carbon footprint for customers. The ASSA ABLOY Semi Transparent & ASSA ABLOY Transparent can be fitted with additional sensors for fine-tuning opening and closing times, further enhancing its energy-saving capabilities. Regular maintenance helps insure top performance and extends the life of the equipment, reducing its impact on the environment.

REVOLVING DOOR

Automatic Revolving Doors ASSA ABLOY RD200 (3 and 4-wing)

ASSA ABLOY
Entrance Systems

Experience a safer
and more open world



With two drum variants and customizable wing configurations, the RD200 compact automatic revolving door offers the most cost-effective solution for your entrance needs.

Improve comfort and convenience

The ASSA ABLOY RD200 provides full control of your indoor environment while ensuring user safety, security, and convenience.

With the possibility to customize your diameter, the RD200 range is designed to make an entrance that can handle pedestrian traffic, with the widest options also enabling the smooth passage of luggage and baby strollers.

Ensure a better indoor climate and reduce energy costs

ASSA ABLOY revolving doors reduce the energy needed to heat or cool a building, resulting in optimal energy savings and increased sustainability. Additional sensors, add-ons, and regular maintenance can further increase savings while improving the lifespan of a revolving door system.

Place safety first*

The door has soft edges to prevent injury. Additionally, if an obstacle is detected the doors will stop rotating until it is removed.

- Compressible vertical safety switches on drum edges
- Rotating speed controller
- Touchless sensors designed to stop door leaves if sensor field is disrupted
- Compressible safety switches designed to stop door leaves if they come in contact with a person or object
- Emergency break-out system (optional)

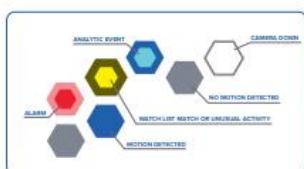
*All ASSA ABLOY RD200 safety systems have been tested and certified by authorized/accredited laboratories. National standards may influence the choice of safety functions.

VIDEO SURVEILLANCE

AVIGILON™

Avigilon Control Center™ 7 Software

Avigilon Control Center (ACC) software is an easy-to-use video management software that is designed to optimize the way security professionals manage and interact with high-definition video. It efficiently captures and stores HD video, while intelligently managing bandwidth and storage using our patented High Definition Stream Management (HDSM) technology. Version 7 of the software introduces an entirely new way to monitor live video through its Focus of Attention interface, enabling operators to see at a glance what is happening across the entire site and more effectively triage and respond to the most important events.



Focus of Attention Interface

Redefining live video monitoring, Focus of Attention helps increase operator effectiveness by providing an overview of events across all cameras in the site, including Avigilon analytic events, face and license plate watch list matches, Unusual Activity Detection (UAD) events, Unusual Motion Detection (UMD) events, motion events, and alarms. Operators can triage the most important events, reviewing associated video to determine if a response is required.



Facial Recognition Technology

Accelerate response times using AI-powered facial recognition technology to detect people of interest based on secure watch lists managed by authorized users at the organization. Populate watch lists by uploading an image or finding a face from recorded video. Robust controls govern the accessibility and retention of watch list data. Start an Avigilon Appearance Search™ query for watch list entries, or receive alerts for potential watch list matches through the Focus of Attention interface. For added security, create alarms that trigger when any individual on the watch list is detected.



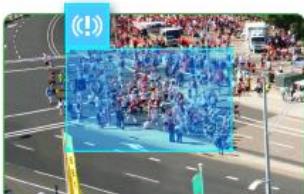
Avigilon Appearance Search Technology

A sophisticated AI search engine that enables investigators to sort through hours of recorded video with ease and quickly locate a person or vehicle of interest across an entire site. Search for a person or vehicle of interest by entering a physical description, by uploading a photo, or by finding an example in recorded video.



Next-Generation Analytics and Self-Learning Video Analytics

ACC™ video management software enables analytic events and alarms to be viewed and searched through an intuitive user interface. Real-time events and forensic capabilities detect and notify operators of scene changes and rules violations.



Unusual Activity and Unusual Motion Detection (UAD & UMD)

Advanced AI technology highlights the unanticipated by automatically flagging unusual activity and motion. Without any configuration, UMD detects atypical movement while UAD is object-aware and detects anomalous behavior (speed and location) of people and vehicles.

UAD

H5A

UMD

H5SL

H5M

H4A

H4SL

H4 MINI DOME

Preinstalled on Avigilon Recorders and Appliances

ACC software is pre-installed and configured on Avigilon HD Video Appliances, Network Video Recorders (NVRs), NVR Workstations, ACC ES Recorders, ACC ES Analytics Appliances, ACC ES 8-Port Appliances and the H4ES camera line. You can also install the stand-alone ACC software to meet the needs of a wide variety of projects. Our NVRs come pre-installed with the NVR Analytics Kit to enable our patented Avigilon Appearance Search technology.



VIDEO SURVEILLANCE

Avigilon Control Center Advanced Features



HDSM™ Technology

Intelligently manages HD image communications to optimize network bandwidth and workstation performance for even the highest resolution Avigilon cameras.



HDSM SmartCodec™ Technology Support

Automatically adjusts compression levels for regions in a scene, to optimize bandwidth while still maintaining image quality.



Avigilon Appearance Search Technology

Quickly search recorded video to find instances of a person or vehicle across all sites using cameras with Avigilon self-learning analytics. Search for a person by physical description, including clothing color, hair color, gender and age group. Search for a vehicle by physical description, including color and category - car, truck, bus, bicycle, and motorcycle. Search for a person or vehicle by uploading a photo.



Facial Recognition Technology

AI-powered facial recognition algorithms notify operators when a person of interest returns to a facility. Add a person to a face watch list by uploading a photo or from recorded video. Create watch list alarms, monitor the Focus of Attention interface to detect matches, or start an Appearance Search for a person on a watch list.



Intelligent Search

Powerful search tools enable you to quickly search recorded video for motion, the presence of classified objects (people or vehicles), background changes in the scene (thumbnail search), and for events.



Simple Camera and Server Installation

Plug-and-play capabilities for NVRs and cameras that automatically identify themselves on the network, without manual configuration or searching.



License Plate Recognition (LPR) Analytics

Second generation LPR analytics engine with easy configuration and improved accuracy for faster security response. Multiple license watch lists can trigger unique ACC rules when detecting a match.



ACM-ACC Interoperability

The Access Control Manager (ACM) system receives, processes, and acts on ACM™ door events, hardware input events, and access grants, enabling operators to unlock access doors directly from a camera view. Identity Verification enables users to see ACM system credentials dynamically displayed with ACC camera views. Identity Search enables users to visually verify access events, and initiate an Avigilon Appearance Search across the entire site for the same person.



Avigilon Cloud Services Web Client

Securely stream live and recorded video from firewall-protected ACC sites using a Chrome or Safari web browser. With no client installation required, this solution leverages Avigilon Cloud Services to support secure peer-to-peer connections to ACC servers.



ACC Mobile Software

Push alarm notifications, live and recorded video, two-way audio, self-learning video analytics overlays, digital output triggers, and PTZ control for Android™ and iOS mobile devices. Using Avigilon Cloud Services, log in to connected ACC sites without any complicated firewall configuration.



Video Archive

Retain and manage large amounts of video for on-demand retrieval and review. Extend your storage beyond NVRs using the Avigilon Video Archive for reliable and scalable storage.



Detailed Management, Monitoring, and Reporting of System Status and Security

Detailed logs of storage, network, and overall system status to help ensure the highest possible system uptime for critical applications.



Point-of-Sale Transaction Engine

Link HD security recorded video (viewed instantly) with transaction data to address compliance requirements and help reduce shrinkage and theft.



Scalable Integration with External Systems

Distributed architecture features .NET-based and REST-based APIs that can easily be integrated with other systems, such as access control and building management.



ONVIF® Profile S, T and G Compliant VMS

Ensures interoperability between IP based ONVIF conformant security devices regardless of manufacturer. Allows video and audio recovery from SD cards installed in Profile G cameras in case of network failure.



Unusual Activity Detection

UAD technology enables object-level detection of atypical activity. This edge-based intelligence uses advanced AI technology and is designed to be object-aware, enabling operators to know when a person or vehicle is in an unusual location in the scene or moving at an unusual speed.



Unusual Motion Detection

UMD technology enables fast video search and is designed to reduce hours of work to minutes by narrowing potentially thousands of motion events to a handful. This allows operators to focus their attention on recorded video needing further investigation.



Federal Government Compliance with FIPS 140-2 Certified Encryption

To comply with policies, Federal Government and other customers can enable FIPS 140-2 certified cryptography on ACC software and on supported Avigilon cameras. Required camera cryptography licenses are centrally managed in ACC. Within ACC, optionally turn on licensed FIPS cryptography on Avigilon cameras. ACC inventories the number of FIPS camera licenses being used and determines whether customers have the required number of licenses within a facility.

INTRUSION AND ALARM SYSTEM

JABLOTRON
CREATING ALARMS

Do your business without worries

Control all the smart functions of the JABLOTRON 100+ from the same place as the alarm. You can remotely switch the heating on and off, lift the car park barrier by a short flash of the headlights or set automatic activation of the light on entering a room. If you want to make your business even easier, plan all repeated events in advance. Your automation will be adapted to you.



INTRUSION AND ALARM SYSTEM

To help you avoid taking care of everything

The JABLOTRON 100+ is a versatile system for security, access control and management of smart functionalities in your company. It will simply secure the whole premises or just part of it, and provide you with an immediate overview of what is going on. In addition, you can also control it remotely via the MyJABLOTRON application or connect it to an alarm receiving centre.



STORES



OFFICES



COMPANIES

Four steps to security



HIGH-QUALITY ALARM



PROFESSIONAL INSTALLATION



PROTECTION 24H A DAY



ACTION IN CASE OF AN ALARM

The first step is a high-quality alarm. We have been involved in its development and production for more than 30 years.

Thanks to professional installation by certified partners, everything works as it should.

After connection of your system to the alarm receiving centre, your premises is guarded 24 hours a day.

If anything happens, you will be contacted by operators and they will send a response unit immediately.

INTRUSION AND ALARM SYSTEM

Sample installation

No matter whether you decide on a wired or wireless solution, to determine the range and exact price of the installation, the building must be inspected by a certified installation partner.



INTRUSION AND ALARM SYSTEM

CONTROL PANEL



A control brain that informs you about any alarm. In addition, it manages the entire system based on your settings.

INTERIOR SIREN



It sounds in case of an alarm, discouraging burglars and alerting the user. Besides this, it also fulfills the function of a bell.

KEYPAD



It is used to set, unset and control devices from one point. A second keypad can then be used to control e.g. the warehouse only.

OUTDOOR SIREN



It informs the neighborhood about an intrusion into your house. You can choose a white, grey or stainless-steel color.

MOTION DETECTOR



Monitors movement in a room up to a distance of 12 m. If a strange person is detected, it will trigger an alarm and will not respond to pets at the same time.

CONTROL CHIP



It is used for simple and secure identification for alarm control. Thus, you know exactly who used the system and when.

PHOTO-VERIFICATION MOTION DETECTOR



Besides an alarm, it also sends photos from the monitored location. Thus, you know exactly what is actually happening on the premises.

VIDEO-VERIFICATION CAMERA



In case of an alarm, it takes a one-minute video of the guarded area. This way, you can see what the situation looked like before and after the event.

GLASS BREAK DETECTOR



It is able to recognize the glass breaking sound and trigger an alarm before a burglar can get into your company.



AUTOMATION

It enables the control of lights, socket circuits, shutters or an entrance gate. The system always informs you in time about exceeding power consumption or temperature.

OPENING DETECTOR



Guarding windows and doors and if they are opened violently, it will trigger an alarm.



HEATING

Thermostats detect and control the temperature in all rooms separately, based on specified programs. The settings can be changed any time, even remotely.

FIRE DETECTOR



It will recognize smoke or an elevated temperature and warn you before a fire breaks out.



CEILING MOTION DETECTOR

Besides guarding a room with a detection coverage of 360° it can also switch on lights based on the motion of persons.

FLOOD DETECTOR



It can register a water leak and inform you in time. In addition, the system will close its supply automatically to prevent bigger damage.



EXTERNAL THERMOMETER

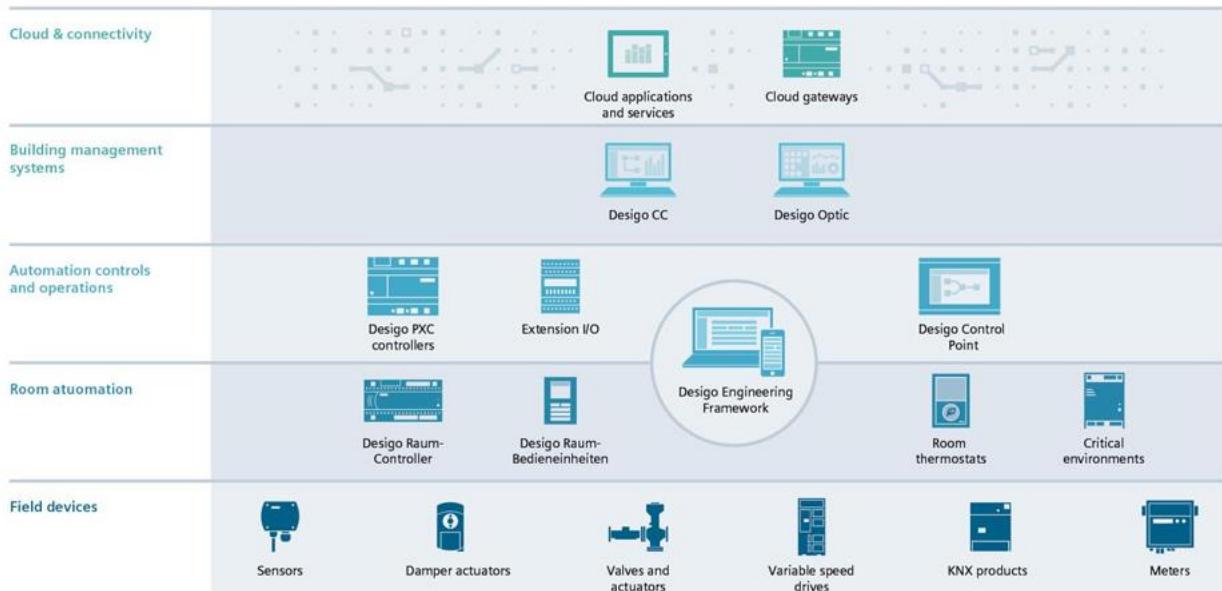
It monitors the temperature in server rooms or storage areas and informs the user about exceeding the preset temperature limit immediately.

BUILDING MANAGEMENT SYSTEM

One system for all requirements of your buildings

The comprehensive Desigo system portfolio comprises everything you need to turn your buildings into high-performing ones. Discover a complete suite of cloud applications, building management systems, building automation controls for primary and room and field devices to improve the operations of your building at all levels.

Desigo building automation system



Thanks to its open standard communication and scalability, Desigo is able to fit into multiple applications and thrive the performance continuously over time. You get the right tools to manage and connect all disciplines of HVAC, lighting, shades and security for various types of buildings such as:



Hospitals/
Healthcare



Data centers



Commercial buildings
and retail



Pharmaceuticals
and life science

... and many more

Explore



BUILDING MANAGEMENT SYSTEM

Building management Overview and selection tools



Desigo CC creates perfect places today and for the future

Whether you wish to enhance occupant comfort and productivity or to improve operational and energy efficiency, building management systems enable you to connect, monitor and operate your facility easily.

Desigo CC

Desigo CC is the integrated building management platform for managing high-performing buildings. With its open design, it has been developed to create comfortable, safe and efficient facilities.

It is easily scalable from simple single-discipline systems to fully integrated buildings.

- Integrate multi-discipline systems and devices
- Automate processes and scale your application to meet the requirements of any building or project size
- Operate, monitor and manage HVAC, fire, lighting, power management, security, video and third-party systems through one single interface

Desigo CC compact

The compact building management platform offers the unique breakthrough features of Desigo CC, focusing on functionalities required by small and medium-size buildings. It can be extended when needed, and proves that building management can be simple and powerful at the same time.

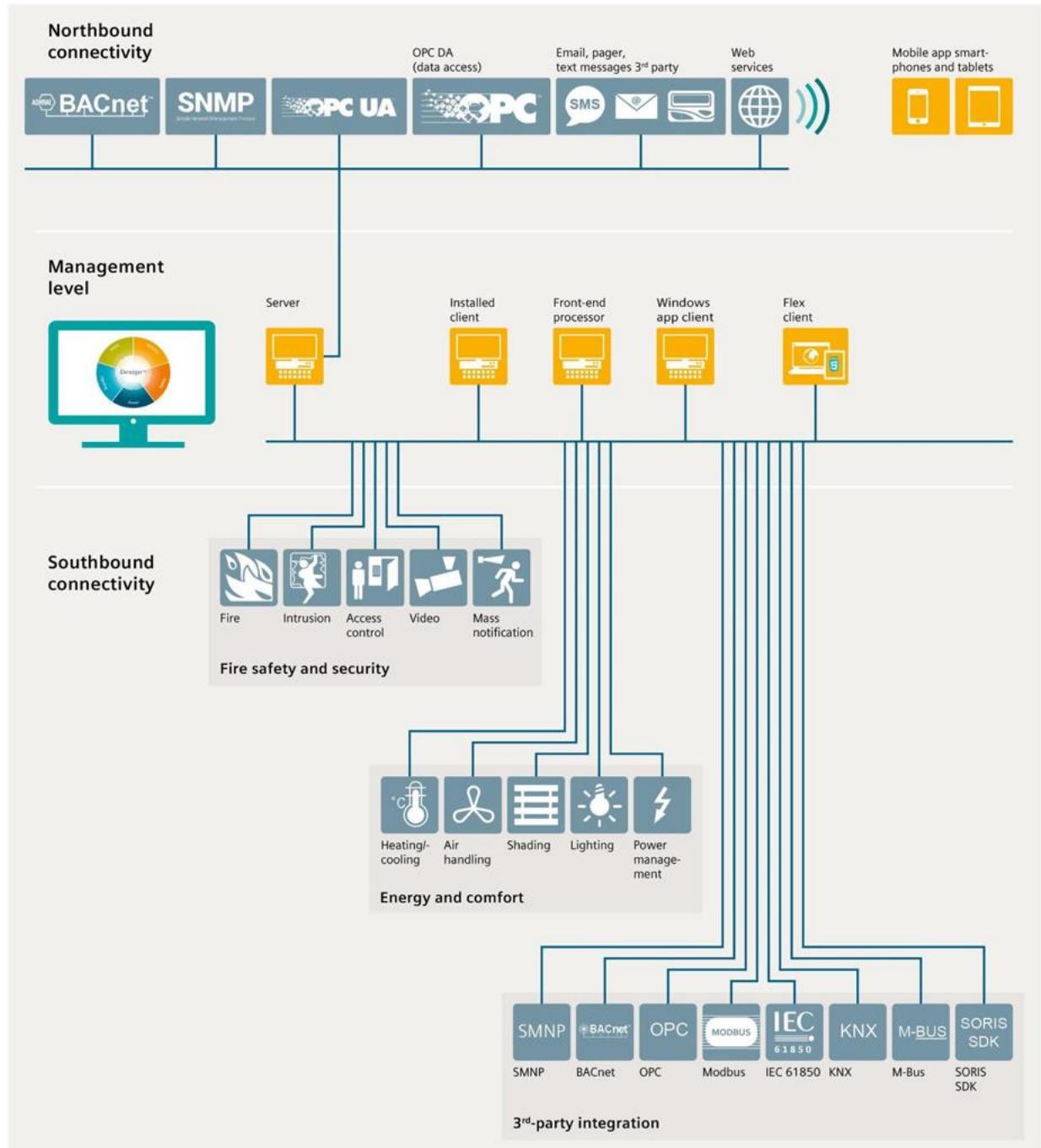
Desigo Optic

Desigo Optic is an open, powerful and scalable software solution for managing and controlling building automation systems.

- Powered by FIN Framework, it redefines openness, and brings the latest IoT technology to your building
- Make your building data work better using native Haystack and market leading dashboard builder
- Targeted at HVAC, power management and lighting through major protocols such as BACnet, Modbus, KNX and OPC
- Edge2Cloud technology provides secure encrypted remote access without the need for a VPN, at no extra cost
- Deploy two ways - on server or on the embedded controller

BUILDING MANAGEMENT SYSTEM

Desigo CC integrates and allows to be integrated



BUILDING MANAGEMENT SYSTEM

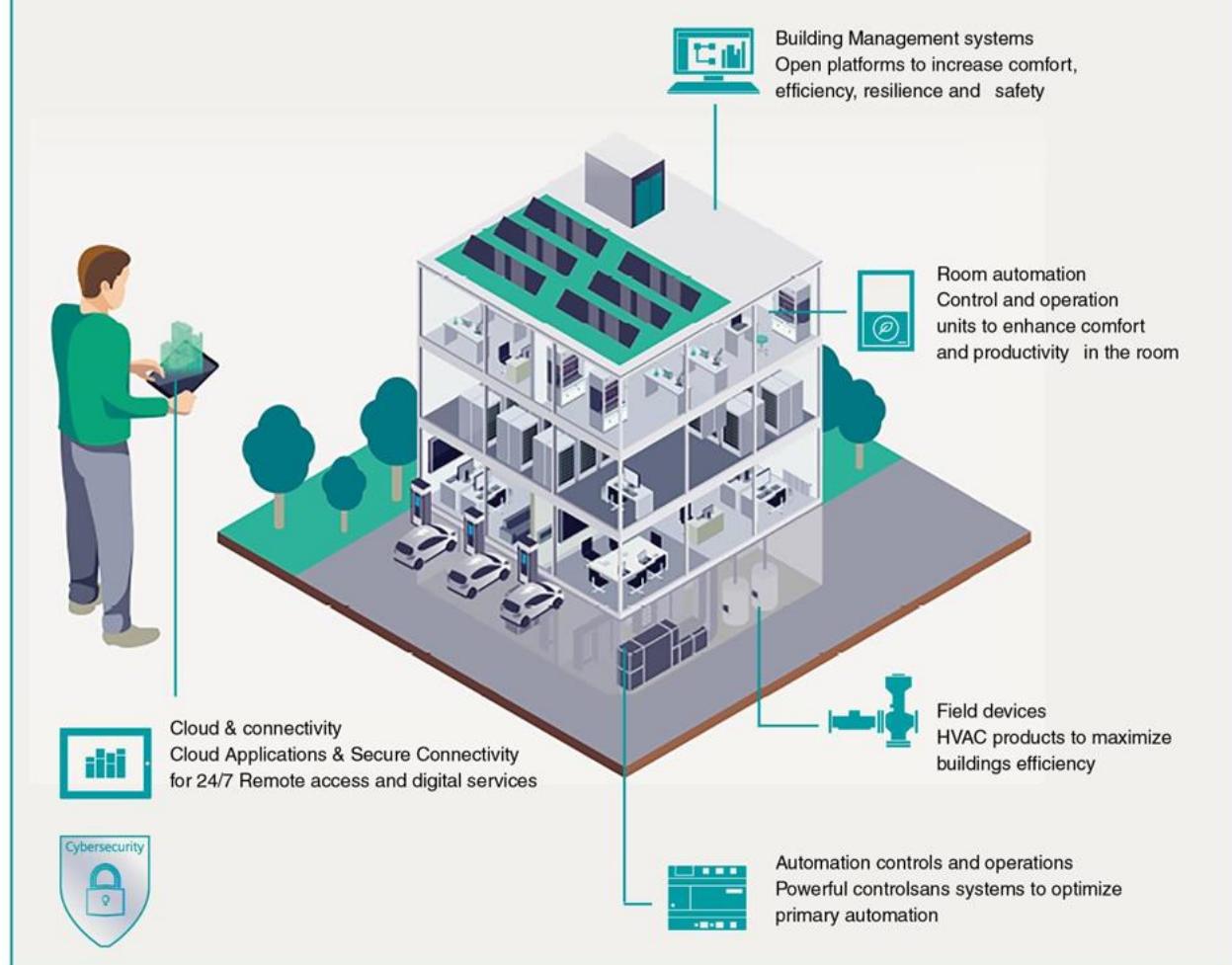
A new era for building automation

Times are changing and stakeholders in the building sector are under pressure to meet the growing demand of creating safe spaces for occupants and reduce the carbon footprint of their infrastructure.

Desigo is the proven building automation system from Siemens that enables professionals to respond to these needs.

With its recognized potential, Desigo has been able to reinvent itself by integrating the latest technologies to allow a seamless transition towards smart and resilient buildings. Desigo offers a holistic approach to cybersecurity and provides secured solutions at every level of building automation.

Tailored solutions for all your building needs



FIRE DETECTION AND ALARM SYSTEM

SIEMENS
Ingenuity for life



Cerberus PRO – an overview of a smart system

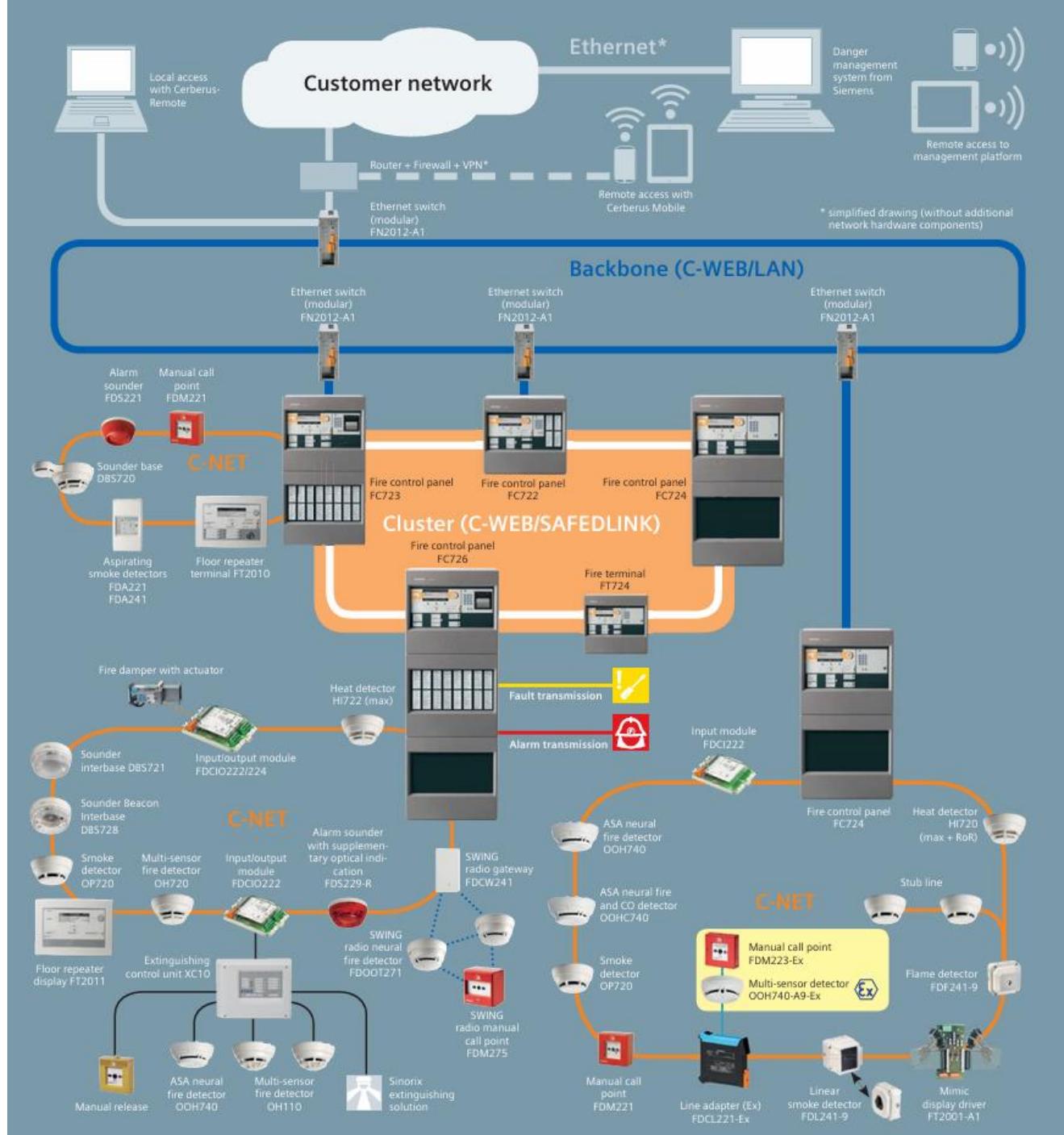
The Cerberus™ PRO portfolio provides everything needed for smart fire protection: powerful control panels, clever fire detectors, smart peripheral devices – and elaborate safety features. What's more, every component comes from the same source.

- Unique safety features – such as degrade mode in control panels and built-in isolators in each peripheral device
- Powerful panels – from standalone to networkable control units
- Reliable detectors – developed and proven under countless job-site conditions
- Broad range of additional devices and accessories – from alarm sounders to sounder bases and combined sounders with supplementary optical indication and many more
- Cost efficiency – thanks to smart products and remote access
- Integration into the danger management system from Siemens – interoperability with other subsystems such as access control, intrusion detection, video surveillance and others
- Control panels and fire terminals can serve as a standby operating unit for increased safety
- Extended network possibilities for widely distributed or complex buildings

FIRE DETECTION AND ALARM SYSTEM

Cerberus PRO – enjoy protecting

Powerful control panels, clever fire detectors and smart peripheral devices. This is what our comprehensive Cerberus™ PRO family offers. The overview below demonstrates the most important system components.



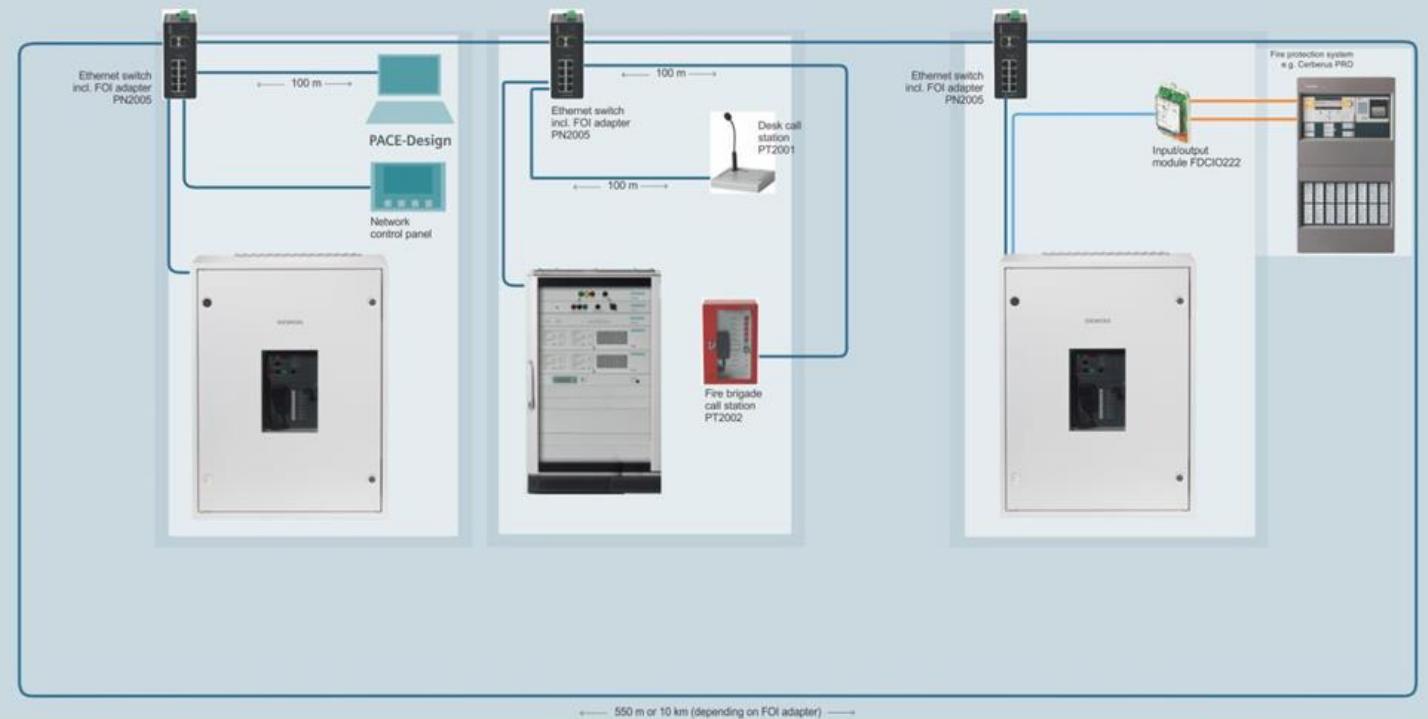
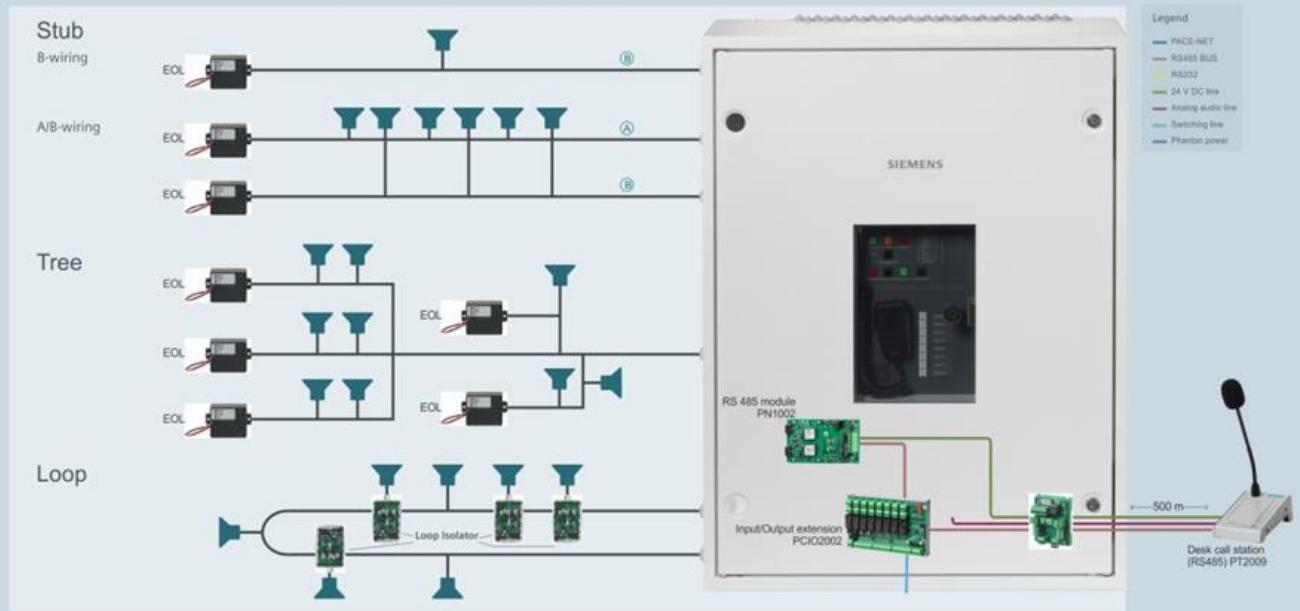
Public Address and Controlled Evacuation System



EN 54-16-certified multi-channel voice alarm control and indicating equipment for demanding digital and network-based public address and evacuation applications.

- Network-based, decentralized setup
- Fully redundant and configurable system with no single point of failure
- Scalable all the way from smaller application sizes, like those in the schools, to extensive major projects, like those at the airports
- Digital audio processing and transmission can be configured individually according to the applicable audio quality and performance requirements
- Suitable for 'pro sound' applications
- Extensive digital signal processing (DSP)
- Real-time configuration, remote maintenance, and remote monitoring via the 'PACE-Design' system software
- Availability of remote access
- Applicable to standard '100 V' speakers
- Speaker loop with loop isolators

System overview



System features and functions

- Network-based audio matrices that can process up to 255 audio channels and simultaneously transmit up to 64 audio channels in studio quality.
- Network components such as Ethernet switches and media converters for a fully redundant audio network with up to 1350 participants that is compliant with EN 54-16.
- In addition to copper connections, fiber-optic connections can also be used in the network with adapters.
- Network-based operating terminals and call stations for intuitive interaction with the system.
- A network-enabled fire brigade call station that conforms to EN 54-16 and ÖNORM F 3003.
- EN 54-4-certified power supply for uninterrupted operation and maximum system availability.
- Pre-assembled, expandable wall cabinets.

System applications

Cerberus PACE Compact is designed for the following applications:

- Alarm and evacuation
 - Automatic activation of acoustic alarm and evacuation announcements through a connected hazard detection system, such as a fire detection system
 - Manual activation of acoustic alarm and evacuation announcements by trained staff
 - Live announcements made by trained staff
 - Playback of announcements recorded in advance
- Announcements
 - Background music
 - Live announcements, with optional delay feature
 - Playback of announcements recorded in advance

Cerberus PACE Compact covers both applications within one integrated system. It complies with the stringent requirements that apply to voice alarm control and indicating equipment systems in line with EN 54-16 and the extremely high standards for the audio quality and convenience of a standard public address system.

Cerberus PACE Compact is scalable and therefore suitable for various application environments and sizes, such as:

- Small-scale applications, such as those in the schools, hotels, and workshops
- Medium-scale applications, such as those at the industrial plants, office blocks, or hospitals
- Large-scale applications with extremely stringent performance and availability requirements, such as those at the airports, railway stations, stadiums, or large shopping centers

Cerberus PACE Compact systems can be scaled and expanded easily as required, in line with the installation site and requirements.

Component application

Digital audio matrix board

The Cerberus PACE Compact audio matrices PC1001-A3 and PC1002-A3 process audio signals from the digital network, the internal digital memory (flash), the micro SD card, and the analog audio inputs. The digital audio matrices automatically digitize analog audio signals, so they can be processed further. Each audio signal is assigned to an audio channel. A digital audio matrix can manage up to 255 audio channels.

Cerberus PACE Compact audio matrices are standard network participants. Digital audio matrices are connected to the network using Ethernet switches.

The parameters for audio transmission within the network are configured using the 'PACE-Design' system software. The audio matrices have sampling frequencies of up to 48 kHz / 24 bit to ensure compliance with the most stringent audio quality requirements. The digital audio matrices transmit up to 64 audio channels simultaneously within the network. The constant latency of 4.6 ms presents in audio signals from the analog input, e.g., a microphone, up to the point of being converted back to analog and output at the speaker lines. This very slight delay allows for Cerberus PACE Compact systems to be used in 'pro sound' applications.

The network transmits all the control signals simultaneously as the audio signals.

The Cerberus PACE Compact audio matrices PC1001-A3 and PC1002-A3 monitor the correct function of the installed amplifiers. In case of a fault, they can switch to the installed backup amplifiers.

The Cerberus PACE Compact audio matrices monitor the connected speaker lines for open lines, short circuits and ground faults. The monitoring can be conducted via speaker line impedance supervision or via EOL elements PCA2004-A1. Speaker loops with short circuit isolators PCA2005-A1 can be connected to the Cerberus PACE Compact audio matrices.

Ethernet switches

Ethernet switches are used to connect individual Cerberus PACE Compact network components, such as Cerberus PACE Compact system and call stations. The Ethernet switches can be connected to a 'PACE-Net' network of up to 1350 network participants.

The Cerberus PACE Compact network components feature two independent network connections. These Ethernet connections combined with Ethernet switches can be used to build a fully redundant network.

All Cerberus PACE Compact Ethernet switches feature standard Ethernet sockets (RJ45) for the connection of Cerberus PACE Compact network components. Adapters can be fitted to create further interfaces for maximum flexibility in network cable selection. Users can choose between 100 Mbit/s Ethernet and various fiber-optic adapters in any frequency range, from multi-mode to single-mode.

Media converter

The media converter converts a CAT5 copper-based Ethernet section to fiber-optic based Ethernet section.

HOME AUTOMATION



LIVE LIFE SMARTER

Connected Home

Connected Home is an easy to integrate, combine and install home ecosystem. Its future-proof technology reduces costs, provides energy savings and requires very little customer support.

Technology with purpose
Our Connected Home ecosystem combines comfort with energy savings. It's one in a long line of Siemens products designed to make life easier, while also contributing to a greener, more sustainable future.

The ecosystem is based on Zigbee 3.0, making it versatile, and easy to integrate and install. Installation is done wirelessly through hub pairing in just a few seconds and it allows for up to 40 IoT devices per hub. For comfort and convenience, everything is controlled at the touch of a button through our sleek, user-friendly app.

Siemens' Connected Home ecosystem makes homes smarter today and will continue to do so tomorrow. It is future proof – able to adapt and connect with more intelligent devices as each home ecosystem expands.

This means the technology doesn't just contribute to lower, more sustainable energy consumption; it's itself sustainable and makes homes smarter and lives greener.
siemens.com/connectedhome

Highlights

- Zigbee 3.0 for reliable and secure communication
- Wireless installation saves time and effort
- Fast hub pairing within three clicks
- Connects up to 40 devices
- Keeps working even if internet connection drops
- Full flexibility with separate heating controls for each room
- Optimized energy consumption saves energy and money
- Smartphone app enables a simple and customizable home automation
- New window contact for energy savings and burglary protection
- New smart plug connects conventional electrical appliances to Connected Home
- New presence sensor for detection of slightest movements
- New water sensor alerts you within seconds of detecting a leak and therefore helps to prevent water damage in your home

All information at a glance –

Product features

	Technical Data	Features and functions
Thermostat 	<ul style="list-style-type: none"> Battery type: 2x AA (included) Battery lifetime: up to 1 year Wired and wireless version 1x on/off voltage free relay Relay switch capacity: max. 5 (2) A Wall mount or free standing with table stand Zigbee 3.0 communication protocol 	<ul style="list-style-type: none"> Room temperature control with either TPI or 2-position User interface to change setpoint and mode Limitation of the minimum/maximum setpoint setting Open window detection Valve exercising to prevent seizing Frost protection Remote firmware update
Radiator valve actuator 	<ul style="list-style-type: none"> Battery type: 2x AA (included) Battery lifetime: up to two years Fits to M30 x 1.5 valves RA, RAV, RAVL adapters (included) Zigbee 3.0 communication protocol 	<ul style="list-style-type: none"> Auto adaption to valve Local temperature control loop User interface to change set point Window open function Boost mode Easy pairing Child safety lock
Receiver 	<ul style="list-style-type: none"> AC 230 V mains powered 2x on/off voltage free relays Relay switch capacity: max. 8 (2) A Wall mounting plate Zigbee 3.0 communication protocol 	<ul style="list-style-type: none"> Boiler and domestic hot water control Zigbee network repeater Remote firmware update Domestic hot water scheduling Boiler release based on heat demand from individual zones Easy pairing Manual overwrite of relay output
Hub 	<ul style="list-style-type: none"> AC 230 V mains powered (via adapter) On desk device design LED status indicator Ethernet and WLAN internet access Zigbee 3.0 communication protocol 	<ul style="list-style-type: none"> Up to 32 battery powered devices Up to 40 devices in total Remote firmware update Restart and binding button Compact design Easy pairing No internet continuous operation
Smartphone app 	<ul style="list-style-type: none"> Compatible with iOS and Android Compatible with major phone brands Continuous updates and improvements High contrast design Available in multiple languages 	<ul style="list-style-type: none"> Room scheduling Individual room control (zoning) Temperature history Scene and automation Messaging and push notifications Multi-user and multi-home control Room picture customization
Selection and order data	Product name	Article type
	Connected Home Hub	GTW100ZB
	Connected Home Receiver	RCR110.2ZB
	Connected Home Radiator valve actuator	SSA911.02ZB
	Connected Home Thermostat wired	RDZ100ZB
	Connected Home Thermostat wireless	RDZ101ZB
		Order no.
		S55772-T109
		S55772-T110
		S55181-A105
		S55772-T113
		S55772-T114

All information at a glance –

Product features

	Technical Data	Features and functions
Presence sensor 	<ul style="list-style-type: none"> Battery type: 2x AAA (included) Battery lifetime: up to 2 years Wall mounting plate Installation height: 2.1 m Detection angle: 90° Detection range: 14 m x 10 m Zigbee 3.0 communication protocol 	<ul style="list-style-type: none"> Presence detection Trigger device for automated action App notifications History of previous detections Remote firmware update Easy pairing LED behavior customization Zigbee signal strength indication
Window sensor 	<ul style="list-style-type: none"> Battery type: 2x AAA (included) Battery lifetime: up to 2 years 2 wall mounting plates included Digital magnet sensor Zigbee 3.0 communication protocol 	<ul style="list-style-type: none"> Open/close detection Trigger device for automated action App notifications History of previous detections Remote firmware update Easy pairing LED behavior customization Zigbee signal strength indication
Smart plug 	<ul style="list-style-type: none"> AC 230 V mains powered Compatible EU plug type E/F Max. load: 3680 W Max. load: 16 A Zigbee 3.0 communication protocol 	<ul style="list-style-type: none"> Turn on/off via app or physical button Turn on/off via automated action App notifications Schedule function Repeater of Zigbee network History of previous on/off actions Remote firmware update Easy pairing Zigbee signal strength indication
Water sensor 	<ul style="list-style-type: none"> Battery type: 1x CR2032 (included) Battery lifetime: up to 2 years Sensing probe Alarm level: >60 dBA @ 0.3 m Zigbee 3.0 communication protocol 	<ul style="list-style-type: none"> Acoustic alarm when water detected Trigger device for automated action App notification History of previous detections Remote firmware update Easy pairing Zigbee signal strength indication
Selection and order data	Product name	Article type
	Connected Home Presence sensor	SCH010ZB
	Connected Home Window sensor	SCH020ZB
	Connected Home Smart plug	SCH030ZB
	Connected Home Water sensor	SCH040ZB
		Order no.
		S55772-T115
		S55772-T116
		S55772-T117
		S55772-T118



OUR VALUED CLIENTS

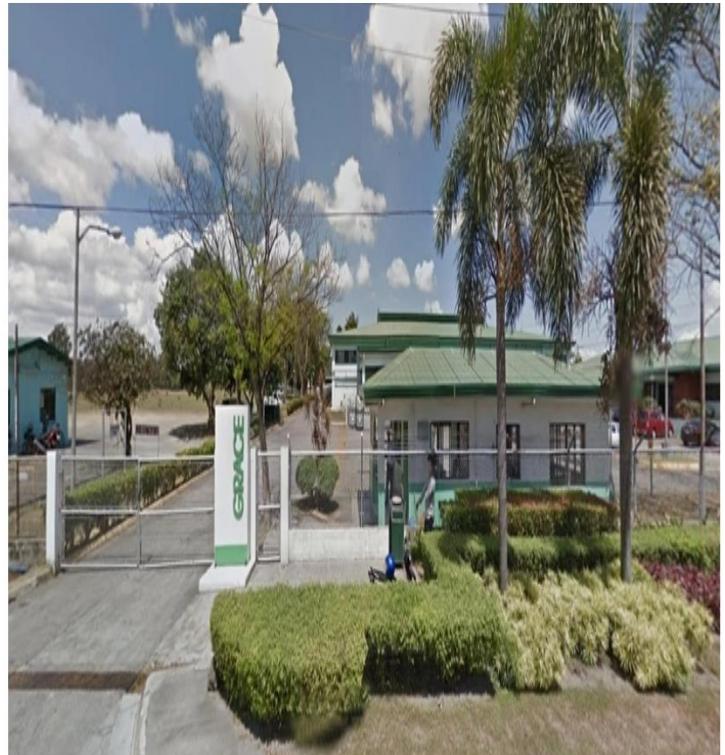


Project References



NEX Tower

Revolving Door is designed to meet aesthetic and functionality. It allows smooth flow of traffic all the while gives satisfaction to tenants and visitors.



GCP Applied Technologies Secured Facilities

Laboratory Rooms, Production Area, Warehouse and Admin Bldg of this remote manufacturing site of a Global Company is installed with Access Control to be monitored by its Main Branch.



BDO Equitable Tower

A complete set of Walk Through Metal Detector, Baggage Scanner and Handheld Metal Detector provides security screening of people and their bags in search for dangerous objects and enhanced manned security efficiency.



Henkel Asia Pacific Service Centre

Being the Main Office of its company, it is designed to secure facilities and blocks unauthorized personnel. Intercoms are installed every floor to communicate with the visitors. Door Contacts are also installed for Fire Exit Doors for monitoring combined with Strobelight and Siren.



Mimosa Workplus 4

Turnstile Access Control will greet you at the Main Lobby to monitor persons entering the building. It is integrated with the Lift wherein as you tap your access card, the LCD Display on top of the turnstile will show your designated Elevator Car for time efficiency. Parking levels also has its own turnstile to prevent car owners and their passengers from freely entering the building premises. Deliveries from parking levels will have to be authorized through intercom. This Turnstile Access Control is integrated with the FDAS in accordance to NFPA Code 72. Visitor Management System is installed to cater guests and for proper monitoring of their informations and business.



PUMA

Card + PIN reader is installed for dual verification and equipped with override switch that automatically releases normally closed state doors for maintenance and emergency purposes. Door scheduling between holidays and operating hours is also in place. While the Main Door is locked, the Left and Right Doors from the Reception are open and this program shifts as the date/time varies.



Orion Tower Cebu

Revolving Door is designed to meet aesthetic and functionality. It allows smooth flow of traffic all the while gives satisfaction to tenants and visitors.



387 Gil Puyat tower

Turnstile Access Control will greet you at the Main Lobby to monitor persons entering the building. It is integrated with the Lift wherein as you tap your access card, the LCD Display on top of the turnstile will show your designated Elevator Car for time efficiency. Parking levels also has its own turnstile to prevent car owners and their passengers from freely entering the building premises. Deliveries from parking levels will have to be authorized through intercom. This Turnstile Access Control is integrated with the FDAS in accordance to NFPA Code 72. Visitor Management System is installed to cater guests and for proper monitoring of their informations and business.

One Filinvest

Turnstile Access Control will greet you at the Main Lobby to monitor persons entering the building. It is integrated with the Lift wherein as you tap your access card, the LCD Display on top of the turnstile will show your designated Elevator Car for time efficiency. Parking levels also has its own turnstile to prevent car owners and their passengers from freely entering the building premises. Deliveries from parking levels will have to be authorized through intercom. This Turnstile Access Control is integrated with the FDAS in accordance to NFPA Code 72. Visitor Management System is installed to cater guests and for proper monitoring of their informations and business.





Mimosa Workplus 1

Turnstile Access Control will greet you at the Main Lobby to monitor persons entering the building. It is integrated with the Lift wherein as you tap your access card, the LCD Display on top of the turnstile will show your designated Elevator Car for time efficiency. This Turnstile Access Control is integrated with the FDAS in accordance to NFPA Code 72. Visitor Management System is installed to cater guests and for proper monitoring of their informations and business.



Mimosa Workplus 2

Turnstile Access Control will greet you at the Main Lobby to monitor persons entering the building. It is integrated with the Lift wherein as you tap your access card, the LCD Display on top of the turnstile will show your designated Elevator Car for time efficiency. This Turnstile Access Control is integrated with the FDAS in accordance to NFPA Code 72. Visitor Management System is installed to cater guests and for proper monitoring of their informations and business.

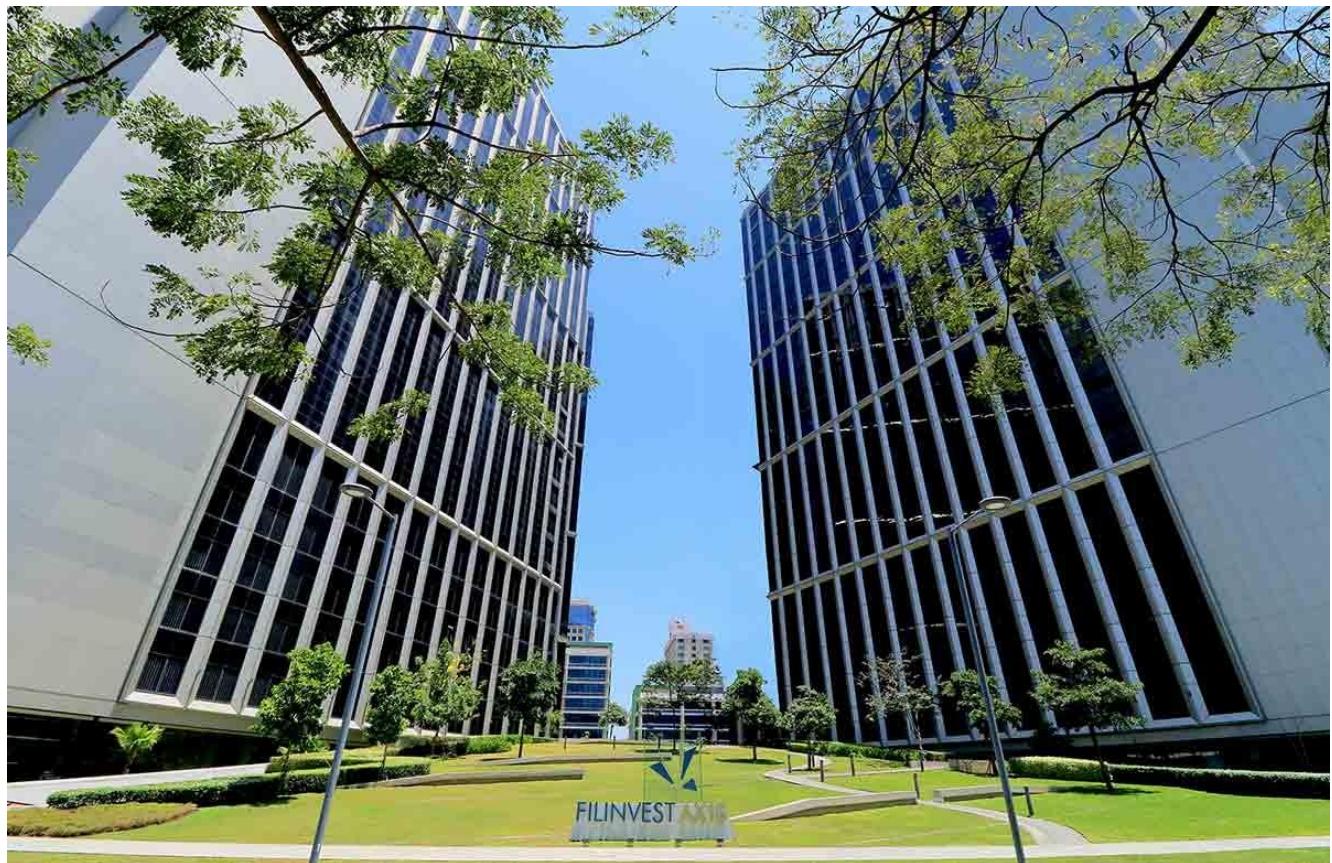


Filinvest Cebu Cyberzone Towers 1 & 2

Turnstile Access Control will greet you at the Main Lobby to monitor persons entering the building. It is integrated with the Lift wherein as you tap your access card, the LCD Display on top of the turnstile will show your designated Elevator Car for time efficiency.

Parking levels also has its own turnstile to prevent car owners and their passengers from freely entering the building premises.

Deliveries from parking levels will have to be authorized through intercom. This Turnstile Access Control is integrated with the FDAS in accordance to NFPA Code 72. Visitor Management System is installed to cater guests and for proper monitoring of their informations and business.



Filinvest Axis Towers 1 2,3 & 4

Turnstile Access Control will greet you at the Main Lobby to monitor persons entering the building. It is integrated with the Lift wherein as you tap your access card, the LCD Display on top of the turnstile will show your designated Elevator Car for time efficiency. Parking levels also has its own turnstile to prevent car owners and their passengers from freely entering the building premises. Deliveries from parking levels will have to be authorized through intercom. This Turnstile Access Control is integrated with the FDAS in accordance to NFPA Code 72. Visitor Management System is installed to cater guests and for proper monitoring of their informations and business.

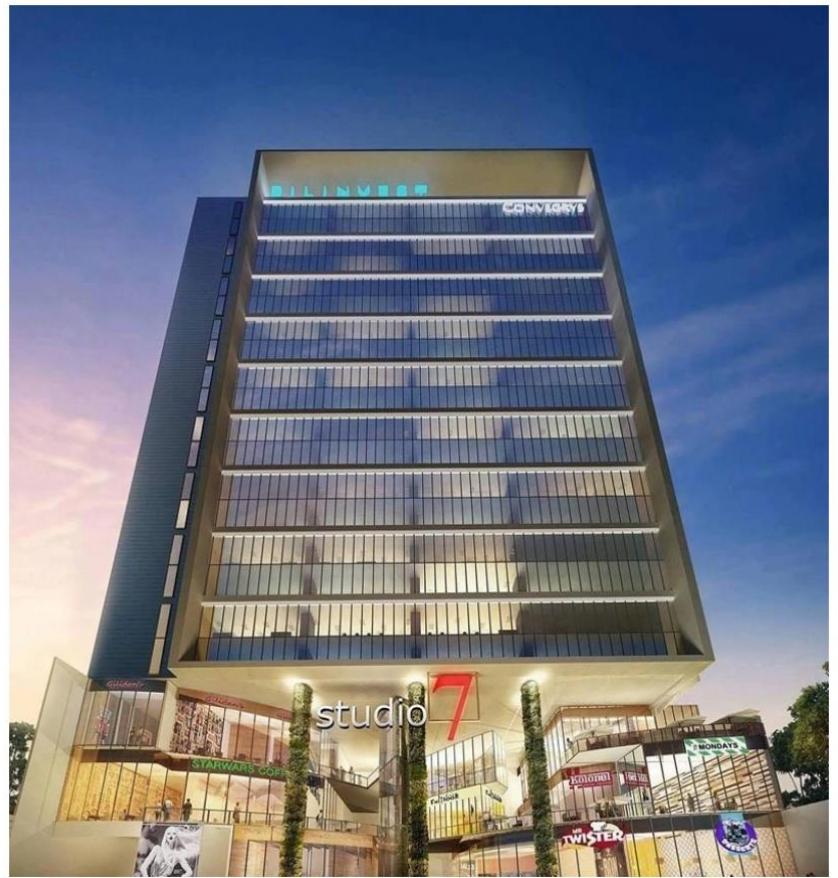


Mimosa Workplus 7

Turnstile Access Control will greet you at the Main Lobby to monitor persons entering the building. It is integrated with the Lift wherein as you tap your access card, the LCD Display on top of the turnstile will show your designated Elevator Car for time efficiency.

This Turnstile Access Control is integrated with the FDAS in accordance to NFPA Code 72.

Visitor Management System is installed to cater guests and for proper monitoring of their informations and business.



Studio 7

Turnstile Access Control will greet you at the Main Lobby to monitor persons entering the building. It is integrated with the Lift wherein as you tap your access card, the LCD Display on top of the turnstile will show your designated Elevator Car for time efficiency. Parking levels also has its own turnstile to prevent car owners and their passengers from freely entering the building premises. Deliveries from parking levels will have to be authorized through intercom. This Turnstile Access Control is integrated with the FDAS in accordance to NFPA Code 72. Visitor Management System is installed to cater guests and for proper monitoring of their informations and business.



PLDT SMART

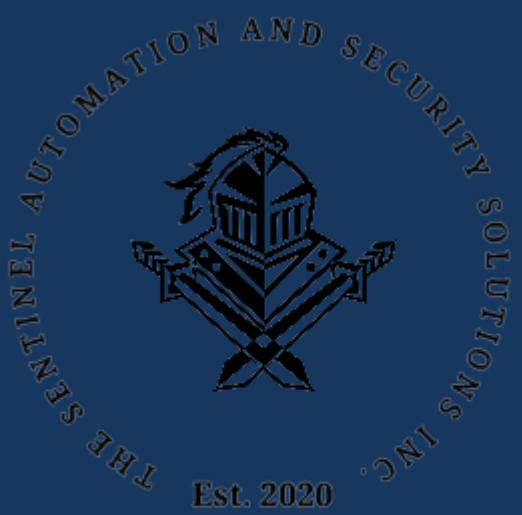
- DAU
- DAGUPAN
- SAN FERNANDO
- CABANATUAN
- BAUAN

Building management systems are essential for large-sized facilities like data centers, hotels, schools and colleges, hospitals, offices, commercial establishments, etc. let's say you are the manager of a large building with several rooms. Every room is fitted with numerous lights and fans. They each have an entertainment system, air conditioners, heaters and other devices that run on electricity. As the building manager, it is your responsibility to reduce energy wastage, reduce unnecessary maintenance costs, and add to the longevity of the devices and the building.



National Grid Corporation – Electric Top Guard at Various Sub Stations

Perimeter security solution is monitored pulse fence installed on top of wall edges of the site to keep security of equipment and facilities from outsider. It serves as a deterrence, detection, and prevention of intruders. The energized wires that made up the fence has a tension sensor that alerts you immediately when touched. These are high-tensile wires that can be constructed to a new fence/wall or integrated with the existing ones. Regular pulses are being sent to the energized wires and delivers a short shock yet safe to anyone who tries to touch it thus making it impossible for intrusion. The system is designed to comply with the international safety and electromagnetic compatibility standards.



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