ProtegeGX®

Enterprise level access control. At your fingertips.

What is Protege GX?

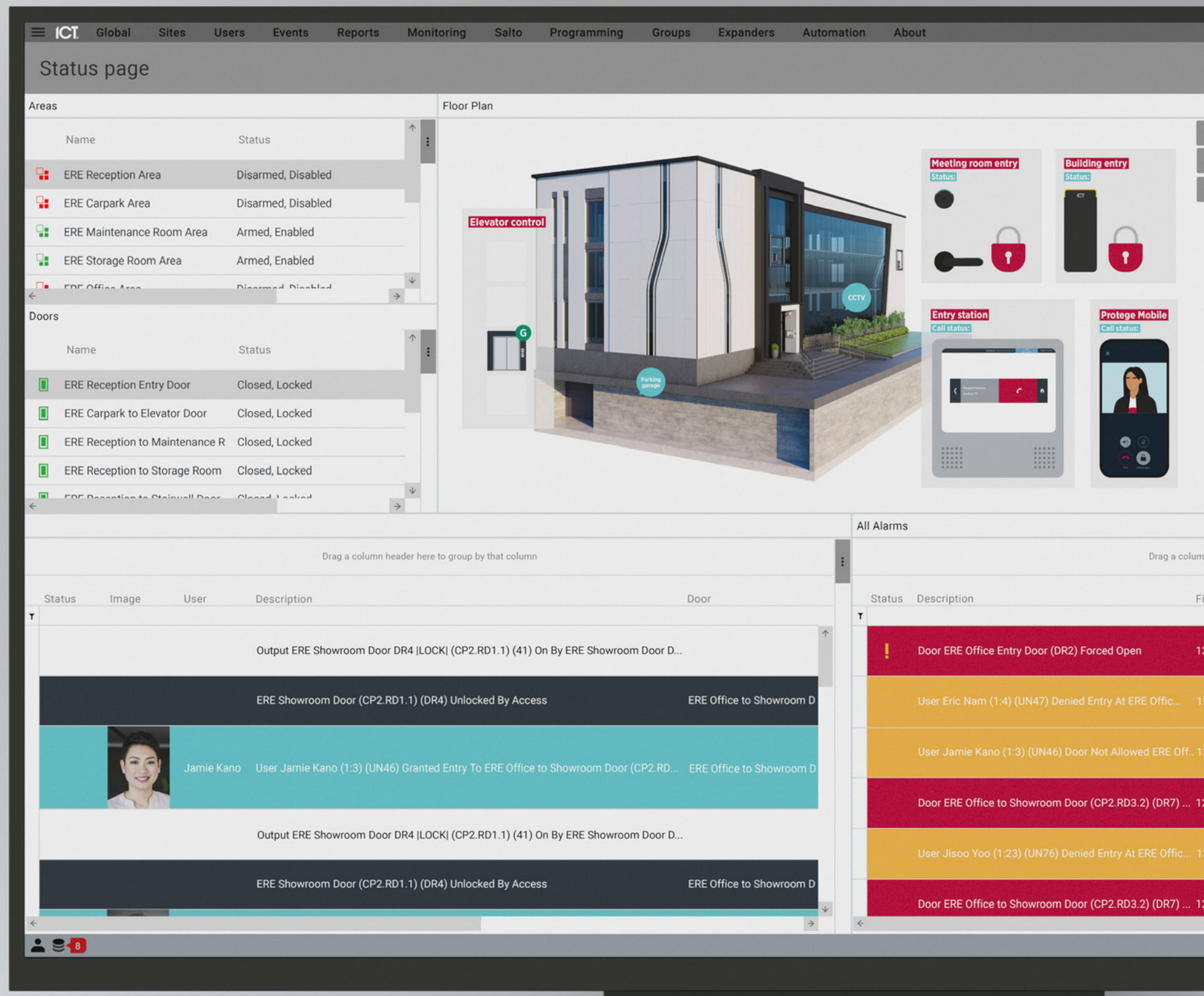
Protege GX is an enterprise level integrated access control, intruder detection, and building automation solution with a feature set that is easy to operate, simple to integrate, and effortless to extend. Feature rich, scalable, completely customizable, and designed for end users, so you spend less time maintaining the system.

Offer valuable insights into any organization with a comprehensive suite of reporting functionalities. The extensive integration possibilities maximize your customers' investment while delivering a seamless solution. Since all installers and integrators must be certified to install a Protege system, you can assure your customers that you have the necessary expertise. Thanks to its modular design and scalable licensing model, the system easily adapts to your customers' evolving needs.

Verticals.

The flexibility provided by Protege GX enables security professionals to tailor specific solutions to meet even the most bespoke needs. Some of the most common verticals include:

- Commercial
- Banking and finance
- Healthcare
- Education
- Retail
- Multifamily and high-end residential
- Heavy industry
- Airports and transport hubs
- Gaming
- Government and utilities



Features for the **end user.**

Features & capacities.

Protege GX is a fully loaded system. With the majority of features built into the standard license, creating the solution your customers need is simple. With Protege GX, you can expect:

- Access level outputs
- Advanced scheduling
- Anti-passback
- Area counting
- Automatic re-arm
- Automation and control
- Child areas
- Configurable input types
- Customizable keypad
- Disarm delay
- Door alarm monitoring
- Door interlocking
- Door lockdown
- Dual authentication
- Dual code control
- Duress alarm
- Elevator control
- Emergency egress
- Extended access time
- IP monitoring
- Loiter areas
- Multiple user credentials
- Multiple area support
- Multiplex/multidrop
- Scheduled area control
- Stay arming mode
- Two factor authentication

The modular hardware design provides the flexibility to accommodate any installation whether it's small, large, residential or commercial, and allows you to scale your system as your requirements change.

	Starter	Standard
Concurrent client connections	1	1
Doors*	10	50
Sites	1	Unlimited
Controllers	Unlimited	Unlimited
Users	Unlimited	Unlimited
Cameras	0	1
DVRs	N/A	Unlimited
Calendar actions	Not enabled	Enabled
Email on event	Not enabled	Enabled
SOAP web service	Enabled	Enabled
Web client	Not enabled	Enabled
Web operators	0	3

Head to our **website** to learn more about these features and how they can bring value to your daily work life.

*Wireless locks are considered doors and are included in the doors total

Monitoring & reporting.

How do you ensure that someone is responding to a triggered alarm without having guards on hand 24/7?

Offsite monitoring provides peace of mind by ensuring security personnel are alerted and appropriate actions can be set for alarms ranging from low level to high level alerts.

All ICT system controllers include an onboard Ethernet adapter with built in IP reporting functionality making oversight simple and seamless.

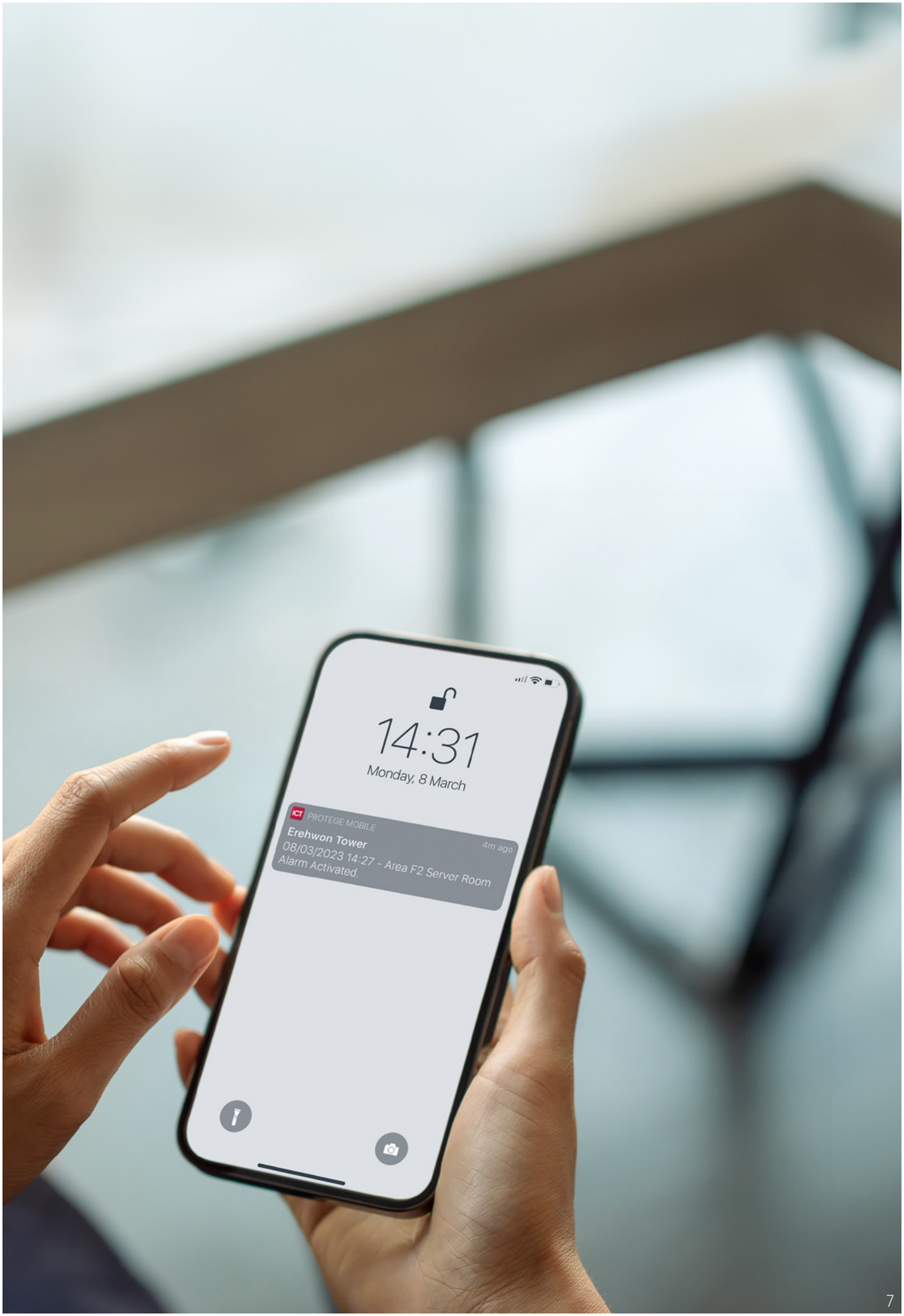
IP monitoring is more cost-effective, convenient, and secure. Most alarm diallers only test a system once every 24 hours, while IP monitoring is always online, message transmission is nearly instant, and a lost connection is detected in 90 seconds or less.

If you require a dialler, we also have controllers with onboard modems to communicate alarms via a traditional telephone line.

ArmorIP and Cellular Modem.

For robust alarm reporting, combine with ICT's cellular modem. This modem operates over 4G, so if there are any fixed network disruptions the site will continue to be monitored and report any events. Pair this with ICT's ArmorIP protocol for added encryption and to receive push notifications via the Protege Mobile App.

ArmorIP transmits additional information where available, such as panel name, event time, serial number, username, and much more. If the station is using the ArmorIP software, operators see this data – including the names of users, areas, and inputs - as it is seen by people on site. No more mismatches between what people are looking at.


14:31
Monday, 8 March
PROTEGE MOBILE
Erehwon Tower
4m ago
08/03/2023 14:27 - Area F2 Server Room
Alarm Activated.

Status pages.

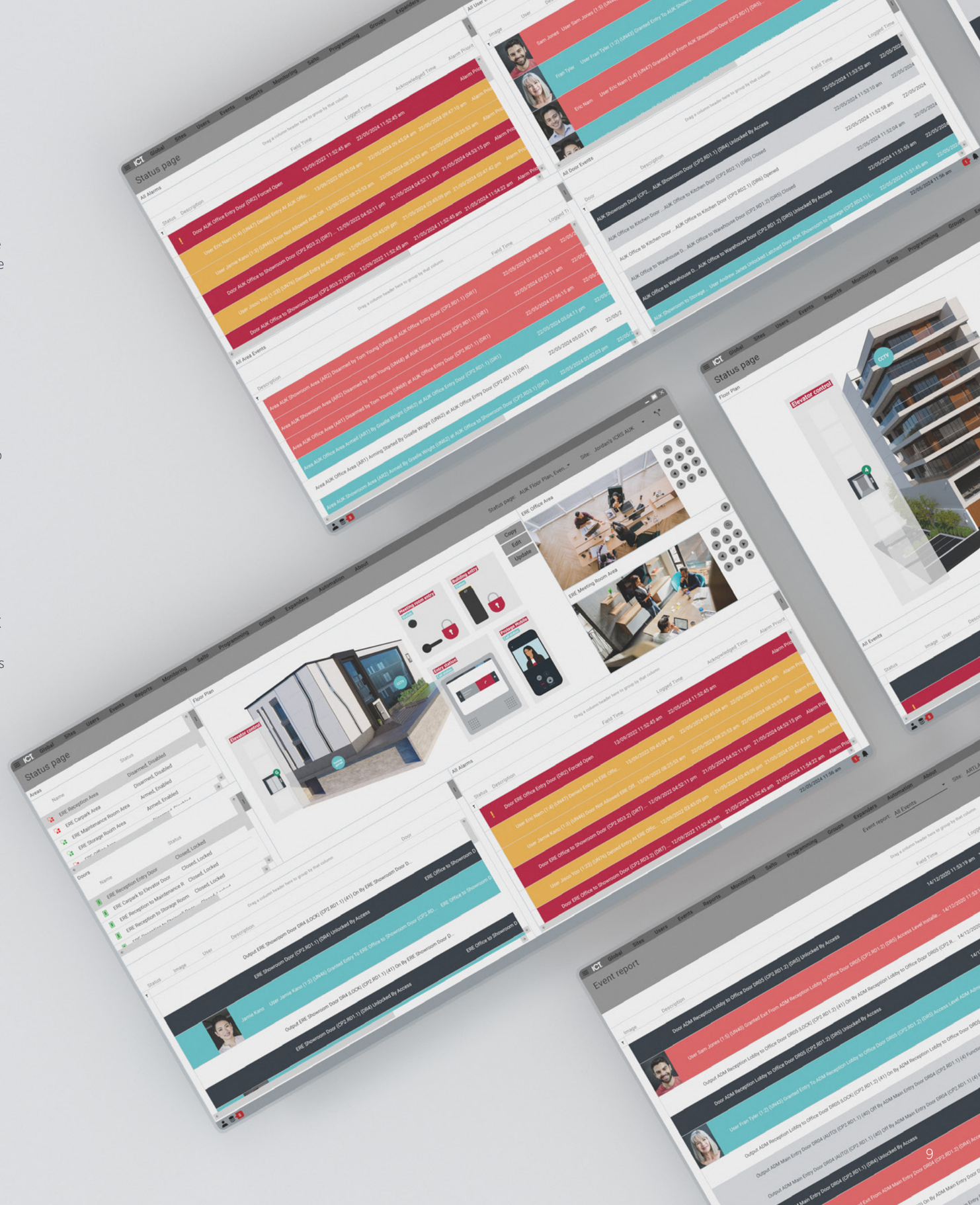
Fully customizable, status pages provide an intuitive graphical interface that serves as the hub of the protected property. Security operators can manage all critical site access points and events from one or as many status pages as required. The configurability of the status pages minimizes the learning curve, allowing new users to get up to speed quickly. The flexible design allows you to enable filters, so you only see the content relevant to the site and roles. Add in camera feeds and floor plans for complete oversight.

Floor plans.

Graphical floor plans provide a visual representation of the site and are a quick and efficient way to control and monitor the system. Able to be embedded directly into the status page for a quick and easy overview of what's happening, the floor plan not only reflects the layout of the building but also enables real-time status updates for areas and doors. Customers can easily arm and disarm areas, as well as control door and outputs from the floor plan thanks to the completely customizable icons. Building has multiple floors? No problem - links between the plans allow customers to quickly travel around the site.

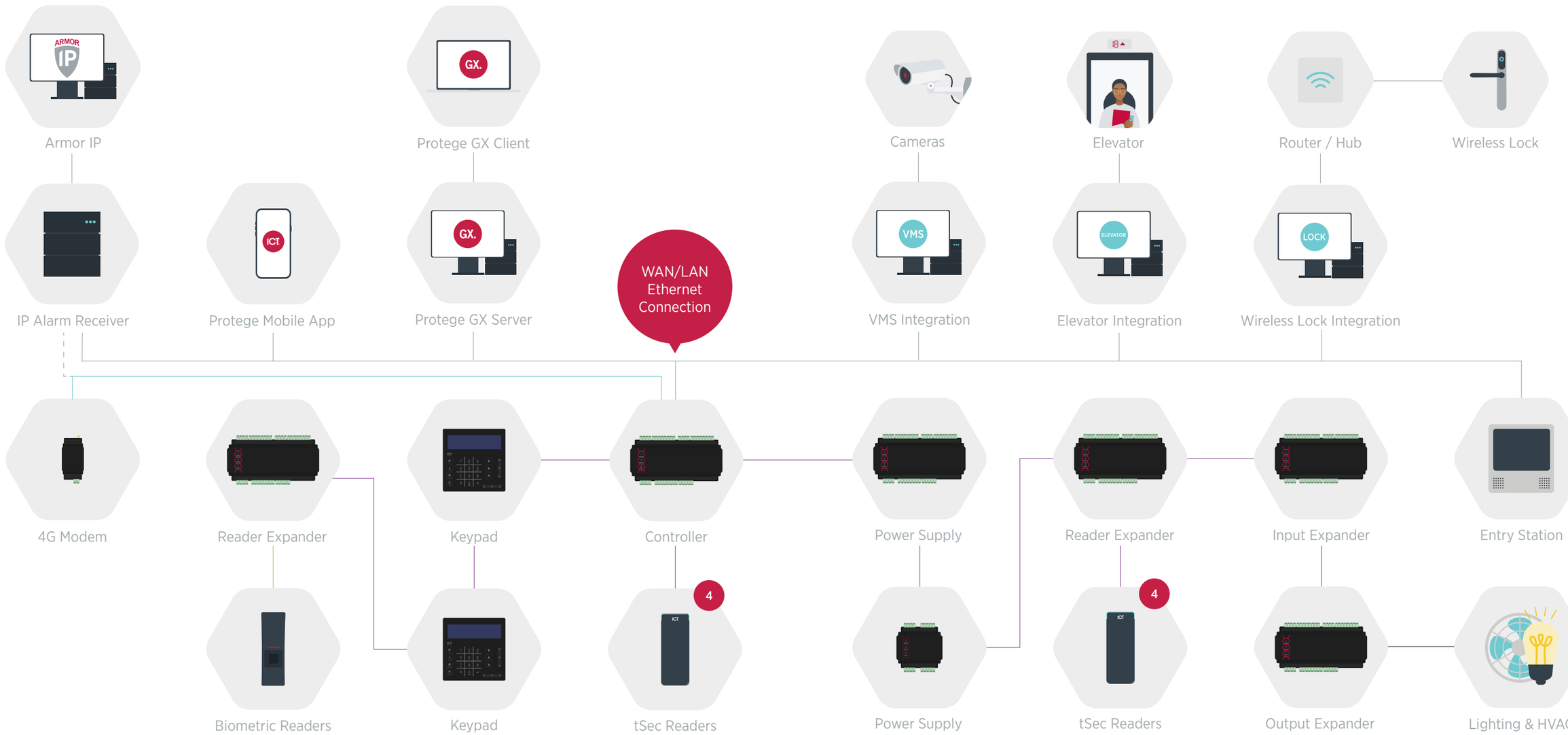
Reports.

Getting the information you need has never been easier or more accessible. With a comprehensive range of built-in reports and the ability to create an unlimited number of custom reports, Protege GX offers a commanding range of reporting capabilities. Generate reports automatically at scheduled times and have them sent to a defined user via email. Powerful filtering and flexible reporting options enables you to obtain detailed and relevant event information quickly and easily



A system that grows with you.

Experience ultimate flexibility with our modular hardware design. No matter the size or industry – enterprise or independent, multifamily to logistics - we've got you covered. Our expandable modules allow you to scale your system as your needs grow. Start with the controller and effortlessly add optional accessories. Need more PIRs? Just add a Protege input expander. Want more doors? Simply add a Protege reader expander.



Protege Wireless Locks.

Compact and minimalist in design, customizable to elevate the aesthetics of any space, while still being protected by the latest credential technology. ICT's wireless locking solutions keep your access control and security robust and your building looking sleek.

At ICT we believe your access control solutions should seamlessly blend form and function. We offer customization options from reader shape, handle design and finish, to deadbolt or privacy thumb turn. Because why compromise on security or style?

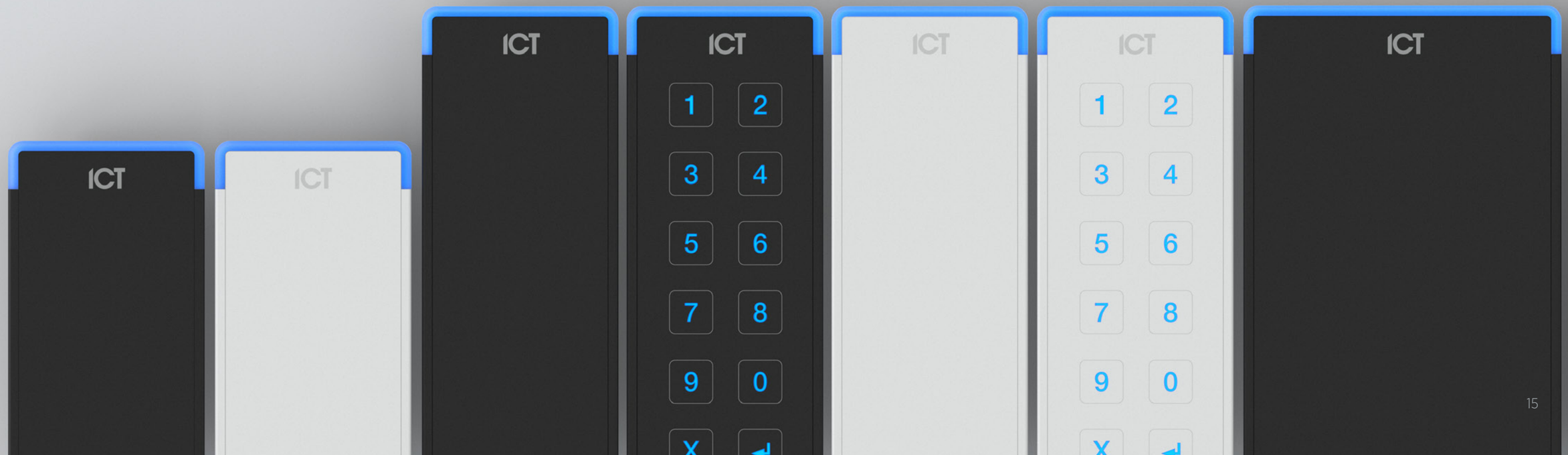
Available in mortise or deadbolt style with support for leading credential technology: MIFARE DESFire smart cards/fobs and ICT Mobile Credentials using Bluetooth® Low Energy. Protege Wireless Locks are a one card solution for both physical and mobile credentials, allowing you to use one credential for ICT secured wired and wireless doors. No juggling multiple keys, cards, or apps.

Protege Wireless Locks are currently only available in North America.

tSecs: Modern design meets high security.

Sleek and stylish, and with a range of optional features, the tSec series has a solution for everyone. Available in three sizes, multiple card capabilities, with an optional keypad, and in a choice of black or white, you can select the model to fit your needs and your decor. Because one size does not fit all.

- Available with 125kHz proximity, 13.56MHz smart card capability, or both for maximum compatibility and so you can migrate to a smart, high-security solution.
- Available with Bluetooth® or NFC (near-field communication) capability.
- Communicate via a fast and secure RS-485 connection, with support available for OSDP 2.2 and legacy Wiegand configurations.
- OSDP 2.2 certified means improved interoperability and higher encryption standards.
- Suitable for indoor and outdoor use. The IP65 environmental rating means there's a high degree of protection from harsh elements.



Countless credential choices.

With the ability to assign 8 credentials to each user, access management has never been easier.

Available in standard 125kHz, or MIFARE and DESFire 13.56MHz smart format which offer a higher level of security, more convenience, and multi-sector functionality.

Our cards and fobs support multiple vendor credentials. Loading multiple credentials enables you to use one card to seamlessly access areas on site that may be controlled by more than one system.

Available credentials:

- Proximity Cards
- Proximity Standard Key Fobs
- Proximity Silicone Wristband
- Proximity Adhesive Disc
- Smart Cards
- Mobile Credentials
- 2 and 4-Button Transmitters

Our Wireless 433MHz 2 and 4 button transmitters are perfect for garage and gate access and are available with an optional DESFire, MIFARE or HID compatible proximity device, allowing them to be used for standard door access. **Smart solutions made simple.**

Credential and compliance types:

Credential types enable alternative forms of user identification to be recognized by the Protege GX system through ethernet ports or RS-485 reader ports. This allows applications such as legacy card formats, licence plate recognition, and integration with third-party modules for PINs, passwords, or biometric formats to be read by the system.

This also enables compliance types to be programmed into the Protege GX system. Compliance types allow you to control access to doors based on compliance requirements. Any custom requirement can be used alongside standard cards, fobs, and PINs.

This is perfect for:

- Health and safety training that users are required to complete periodically
- Completion of company or job site induction
- Driver's licence or vehicle certification
- Industry training certificate qualifications

Mobile solutions.

Access and control. In the palm of your hand.

Use the Protege Mobile App to monitor and control your clients' sites while on the go. You'll be notified if there's an incident and can then immediately check the app to evaluate the situation and trigger any required action.

For your clients, this means no more second guessing whether they set the alarm before they left the office – the app provides instant awareness of system status and enables them to arm or disarm with a simple tap.

Offer your clients a full building solution by extending this to building functions, so they can turn on the lights or HVAC before they're at the front door.

Mobile credentials.

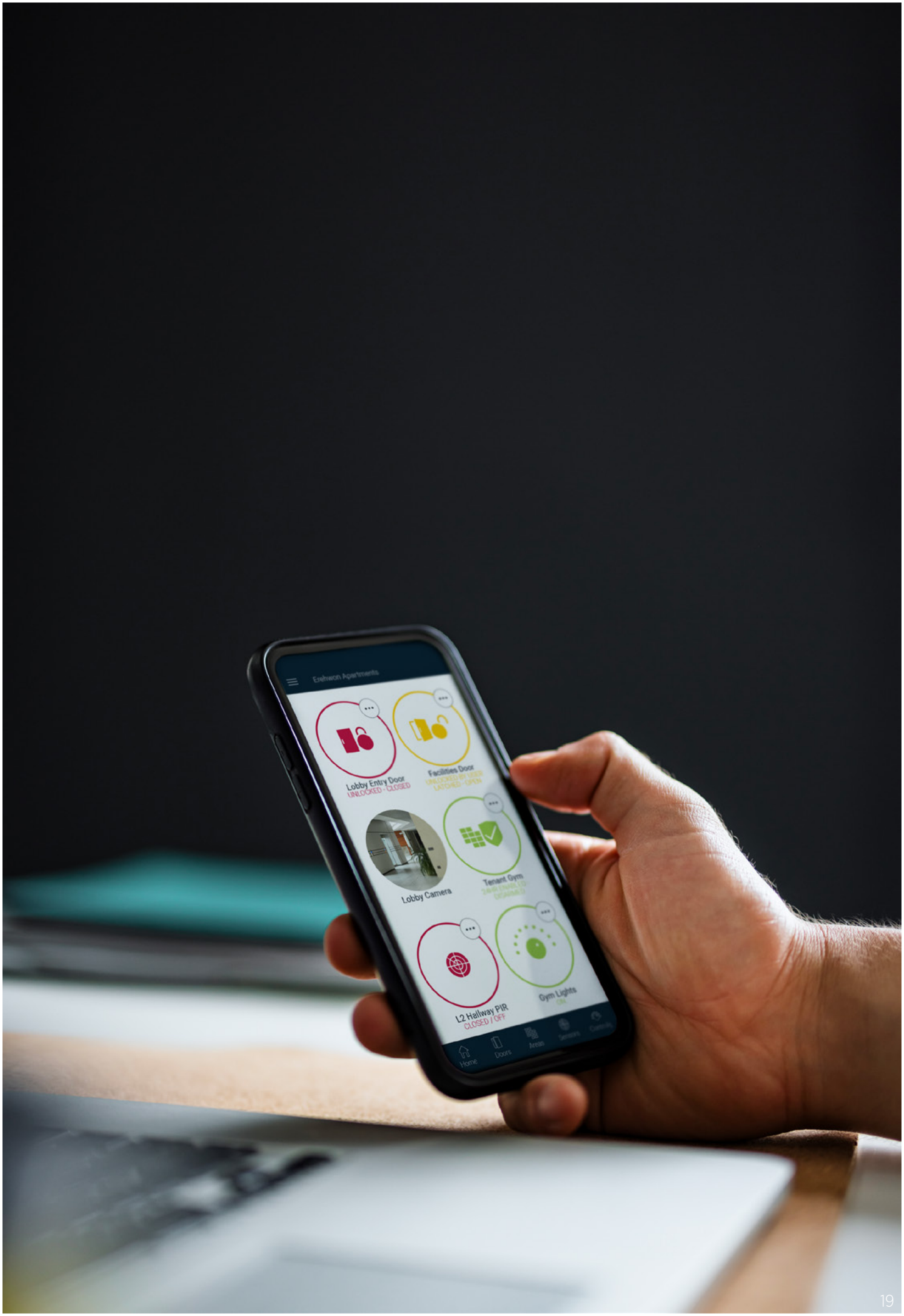
Mobile credentials are virtual credentials that provide card-free access via a smartphone.

For an installer/integrator, ICT Mobile Credentials eliminate the time spent handling physical access cards, and with everything managed online, there's no freight costs or delays, so customers can access them immediately. Multiple credentials can be stored on a single device – perfect for those managing multiple sites.

Mobile SDK.

The ICT Mobile Software Development Kit (SDK) is a valuable tool for combining access control functionality with an existing app. By providing access to our mobile APIs and services, we make it possible for developers to build integrations allowing third-party apps to access and transmit ICT Mobile Credentials for use with ICT readers and access control systems.

For example, Andy's Gym can provide a completely unified solution, including class schedules and bookings, purchases, and door access, from a single app.


Erehwon Apartments
Lobby Entry Door
UNLOCKED - CLOSED
Facilities Door
Lobby Camera
Tenant Gym
L2 Hallway PIR
CLOSED / OFF
Gym Lights
ON
Home
Doors
Areas
Sensors
Controls

Building automation.

Corporate responsibility and the alignment of sustainable values are key as we all do our part to protect the environment, making energy efficient practices a high priority for property owners. Automated building solutions are one of the simplest ways of reducing energy consumption and costs. Protege GX provides a simple, single-point solution that enables your customers to take sustainable steps, such as:

- Activate lighting in low occupancy areas - such as restrooms and storage areas - only as needed
- Automatically turn off non-essential items - like coffee machines and photocopiers - when the alarm is set at the end of the day, and on again when the alarm is deactivated
- Set up HVAC systems to maintain a lower temperature when a building is unoccupied and increase to a comfortable temperature as people arrive for the day
- Configure lighting to come on progressively as staff arrive and turn off as they leave

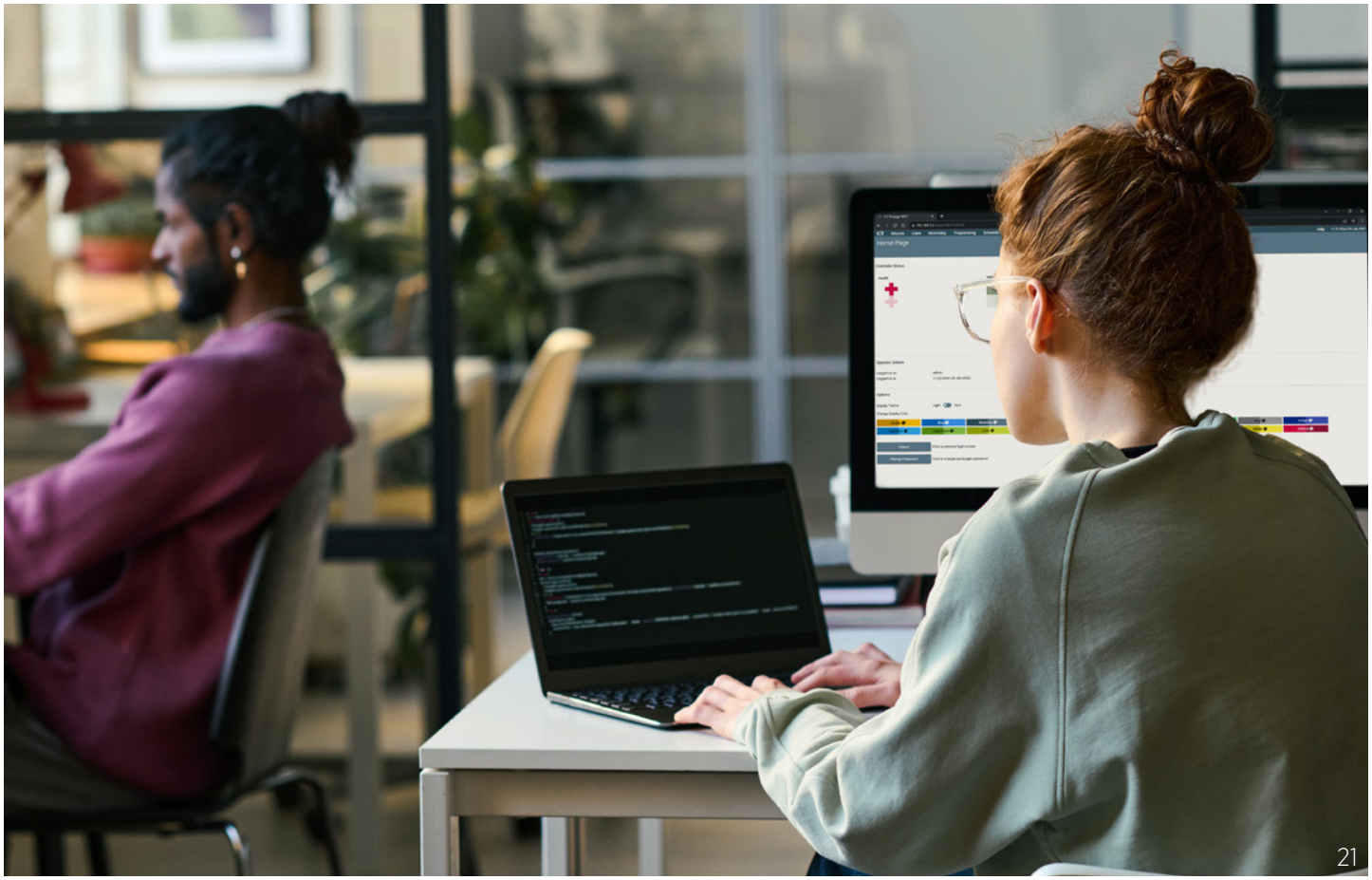
Automation & control protocol.

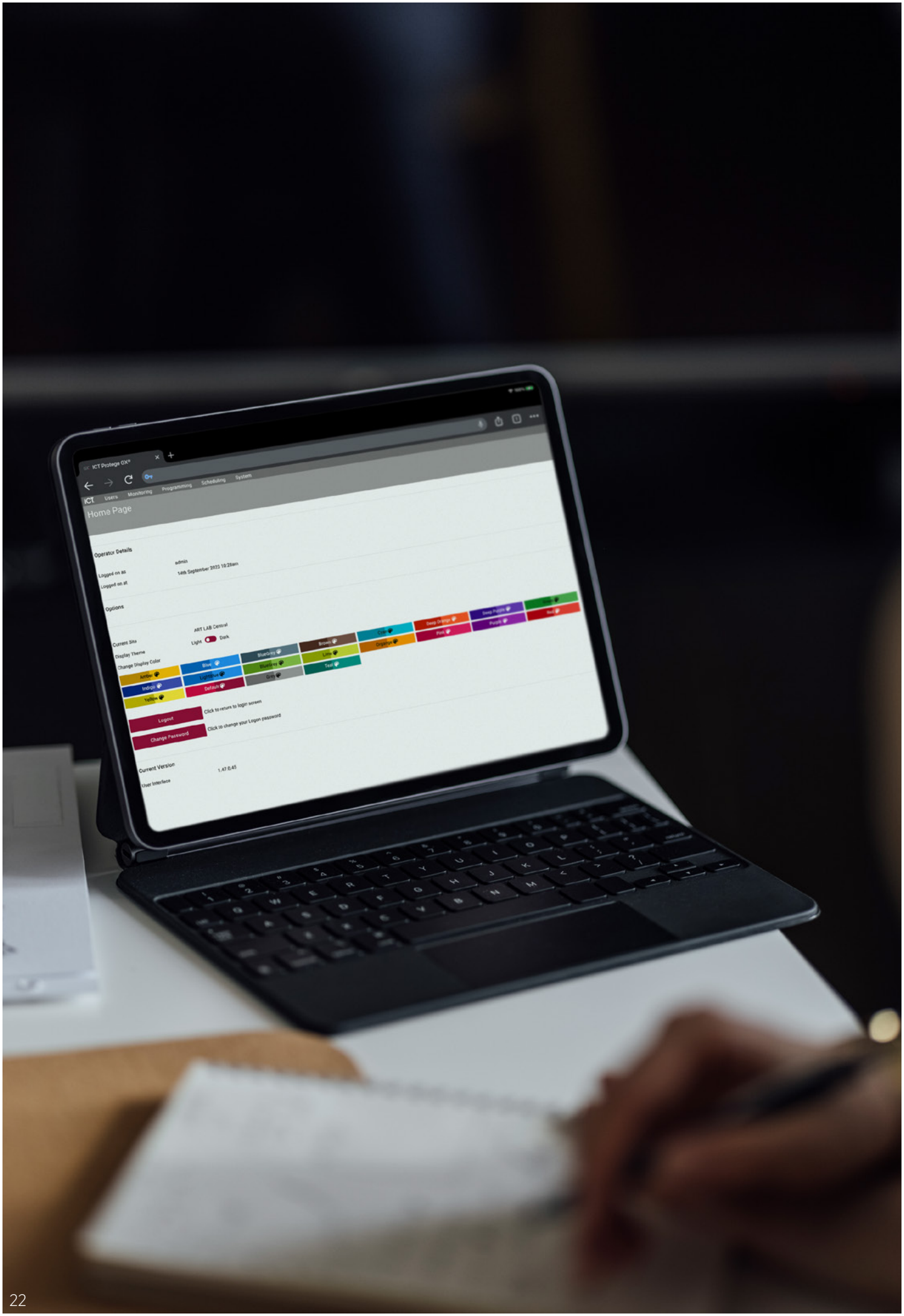
ICT's Automation and Control protocol turns Protege GX into an open book, so developers can create their own custom integrations. Designed to allow third-party automation products to communicate directly with Protege controllers, the protocol enables your customers to control and monitor the status of doors, areas, outputs, inputs, and variables.

Custom integration tools.

Protege GX SOAP Web Service: Develop a solution tailored to your customers exact needs. Whether it's building a custom interface that integrates multiple systems into one cohesive solution, controlling user access based on data in an external system, or sending temperature and humidity readings to a Building Management System to conduct trend analysis - the possibilities are endless.

Data Sync Service: Combine the power of enterprise level integrated access control with external data sources. Suited for a variety of applications, including 24-hour fitness facilities, university student databases, and human resource systems, ICT's Data Sync Service is equally powerful, simple, and flexible. It saves businesses valuable time by automating tedious administrative tasks, freeing up resources for other duties. In its most simple form, the service is like merging two databases. The ability to synchronize data between the systems reduces management time and administration while providing single data entry and enhancing efficiency.




ICT Protege GX®
ICT
Users
Monitoring
Programming
Scheduling
System
Home Page
Operator Details
Logged on as
admin
Logged on at
14th September 2023 10:28am
Options
Current Site
ART LAB Central
Display Theme
Light
Dark
Change Display Color
Amber
Blue
BlueGrey
Brown
Cyan
Deep Orange
Deep Purple
Green
Indigo
Lightblue
Lime
Orange
Pink
Purple
Red
Yellow
Default
Grey
Teal
Logout
Click to return to login screen
Change Password
Click to change your Logon password
Current Version
User Interface
1.47.0.45

Third party integrations.

Seamlessly expand your system with third-party integrations that talk to the Protege GX system.

Video Management Systems (VMS).

A VMS integration with Protege GX means there's no need to search through video frame by frame as cameras are linked to the event log. You can also control cameras and view footage in the Protege GX interface.

Elevator control.

High level elevator integrations significantly reduce your overall installation and running costs. Users get access to authorized floors and directed to the elevator with the shortest travel time to improve people flow.

Wireless locks.

If Protege Wireless Locks aren't available in your region, we have a cost-effective and convenient solution. Thanks to direct integrations with leading wireless lock manufacturers you can extend seamless Protege GX access to every door - wired or wireless.

Wireless sensors & detectors.

Save yourself time and headaches by extending the reach of intrusion detection to areas where running wires can be difficult or expensive to install.

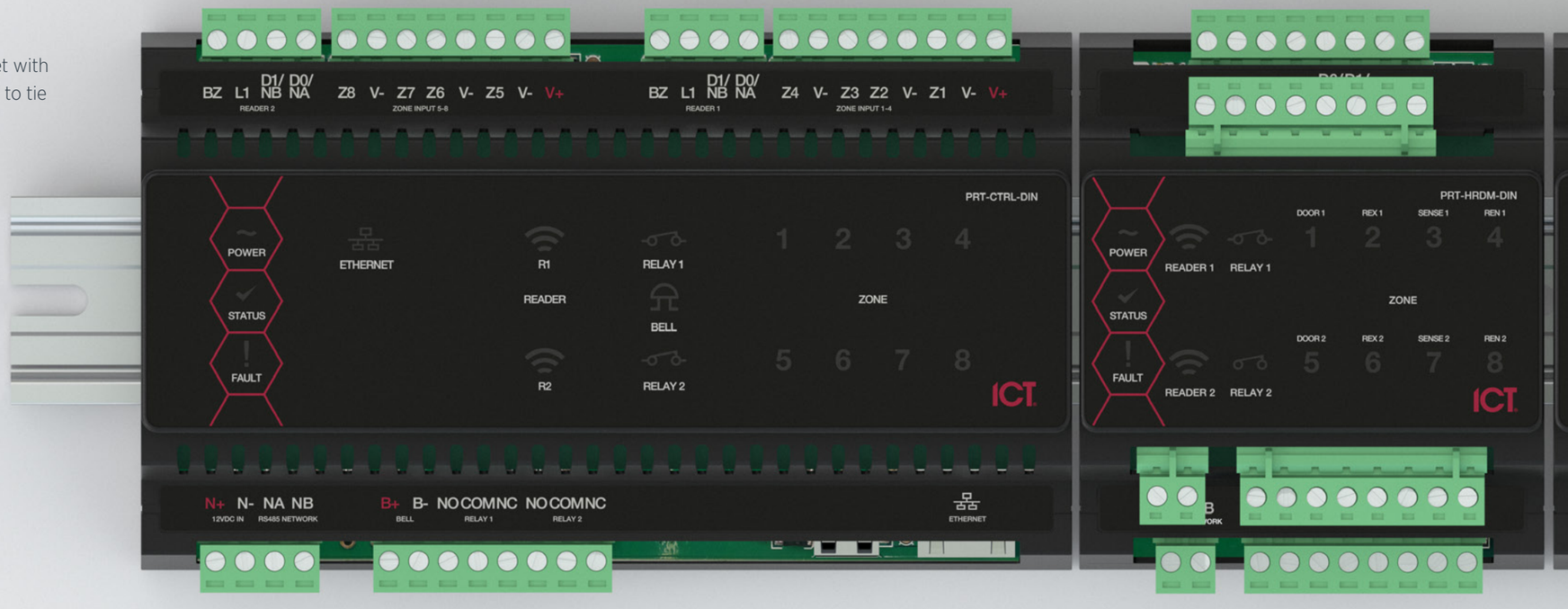
Protege DIN Rail.

The heart of the Protege GX system, the controller is the central processing device responsible for managing security, access control, and building automation, while providing seamless control from a browser interface. All controller models provide onboard access control, with the key difference being the reader ports and number of doors that can be controlled without the need for additional hardware.

The IP controller features two reader ports. This allows the connection of up to four readers (two entry, two exit) controlling two doors. Reader ports can be configured for either Wiegand or RS-485 reader operation.

Further doors can be controlled by adding reader expanders up to a maximum of 128 doors. The IP controller enables reporting over Ethernet with the option of 4G when used with the Protege Cellular Modem – no need to tie up phone lines. However, our dialer controllers are available if required.

DIN Rail products that are purchased and installed by members of the ICT Dealer Network (IDN) are eligible for an extended 5-year warranty provided that the IDN member maintains their Protege GX certification.



Why DIN Rail?

Built tough

- The enclosed design provides more durability and protects internal circuitry.

Intelligent design

- Front panel LED indicators show the status of a device at a glance, while removable plug-in terminals allow for easy servicing and rapid deployment.
- The versatile, modular design means you can easily add to the system as needed.

Easy to install

- A plug and play solution. Mounting is as simple as clicking the module into place, and all you'll need to remove it is a flat-blade screwdriver, which comes with the controller.
- The rail mount enclosure means it integrates seamlessly into large scale installations alongside high end HVAC and electrical switchboard components.
- Compact size translates to a higher installation density, saving valuable control room real estate, for more control in less space.

Licensing structure.

Protege GX's enterprise licensing model allows you to expand your site with ease, providing a solution that grows with you.

Protege GX has two license packs:

- **The Starter License:** Designed to make implementation more cost effective, this license is ideal for smaller organizations who want to adopt an enterprise-level solution that will expand with them as their business grows.
- **The Standard License:** Designed for large organizations with greater system requirements. Includes calendar actions and email on event feature add-ons.

Both packs include powerful reporting capabilities, customizable status pages, graphical floor plans, and zero restrictions on the numbers of users, events, schedules, areas, or hardware expansion modules.

Flexible license packs are available for doors, cameras, IP connected locking solutions, and other integrations. A ceiling (or license cap) prevents runaway costs and ensure that right from the start you know exactly how much the system is going to cost, no matter how much it expands.

With no software to deploy to end user PCs, working on any platform and any device with a modern web browser.

Mobile credentials are a one-time payment, with no reoccurring annual licenses.

	Starter	Standard
Concurrent client connections	1	1
Doors*	10	50
Sites	1	Unlimited
Controllers	Unlimited	Unlimited
Users	Unlimited	Unlimited
Cameras	0	1
DVRs	N/A	Unlimited
Calendar actions	Not enabled	Enabled
Email on event	Not enabled	Enabled
SOAP web service	Enabled	Enabled
Web client	Not enabled	Enabled
Web operators	0	3

*Wireless locks are considered doors and are included in the doors total

All the features **you need**, without paying for the features **you don’t.**

ICT
ICT
ZONE B
SYSTEM
CONTROLLE

Training.

Become a certified Protege installer and offer your customers a best-in-class access control, intrusion detection, and building automation solution. Whether you're just a beginner or a field technician, we have training courses to cover your learning journey. Available as a facilitated course in our ICT offices, you can learn everything you need to become a certified Protege installer.

Certified Protege GX Installer (Level 1).

Aimed at installers responsible for small to medium Protege projects. Covering everything from hardware, wiring and system architecture through to fundamental system programming. A practical programming walkthrough allows you to learn how to plan, install, and configure a Protege GX system to ensure successful implementation.

Protege GX Field Technician.

Designed for sub-contractors and technicians responsible for the installation of Protege hardware and working under the supervision of a Certified Protege Installer or Integrator, this course equips you with the necessary knowledge and skills to install Protege hardware and perform initial configuration.

Certified Protege GX Integrator (Level 2).

Take your installer training to the next level. Aimed at integrators responsible for installing medium to large Protege projects, this course has a focus on advanced system programming and custom configuration. It also covers the entire feature set available enabling you to achieve complex functions and automation, and leverage more of the system capabilities.

Who is ICT?

Integrated Control Technology (ICT) is a world leading manufacturer of unified electronic access control and security solutions, offering scalable solutions for organizations to protect their people, operations, and information.

In 2003, ICT began with a unique vision to provide innovative and easy-to-use electronic access control and security solutions. Today, tens of thousands of companies worldwide use ICT products and systems every day, and our vision remains steadfast and ingrained in all we do.

ICT has been leading the way with integrated solutions - in fact, it's even in our name: Integrated Control Technology. Designed, engineered, and manufactured in New Zealand, with offices and distribution centers in the USA, UK, Canada, Dubai, Australia, and Hong Kong, we excel at providing full local sales, support, and services to clients and partners around the word.

Become an ICT Partner.

ICT's network of market leading security partners are supported by a quality training program and the guidance of first-class sales, service, and support teams. Our partners play an integral role in our sales and support network, providing the expertise and experience to help you plan, deploy, integrate, and manage an ICT solution.

Interested in becoming an ICT Partner? Head over to **www.ict.co** to sign up and start seeing how a truly intelligent system can benefit you and your customers today.

Designers and manufacturers of integrated electronic access control, security and automation products. Designed & manufactured by Integrated Control Technology Ltd.
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