



Landspítali and ICT.

Unified and touch-free.

Project overview.

Landspítali (the National University Hospital of Iceland) is the country's leading hospital. Founded in 1930, it's Iceland's largest employer with over 100 buildings on 17 sites in the Reykjavík area. It makes up around one-third of total healthcare spending in Iceland, and about 70% of Icelandic babies are born in this hospital. Landspítali is currently in the middle of a multi-year expansion due to be completed in the 2030s.



Location.

Reykjavík, Iceland.



Industry.

Healthcare.



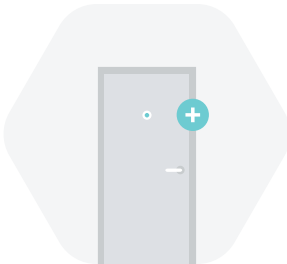
Buildings.

There are over 100 buildings across 17 sites in Reykjavík.



Integrator

Securitas are Protege GX certified partners in Iceland with six locations across the country. Their experience with complex installations and integrations makes them leaders in security in Iceland across health care and many other sectors.



Doors.

1000+ access controlled doors.



Card Holders.

10,000+ cards issued.



A closer look.



The hospital policy is to have an environment without physical keys, ICT is a perfect option in that regard.



- **Andri Valur Gunnarsson, Projects Manager at Landspítali.**

Before:

- > No system overview for security staff
- > Assortment of alarm systems
- > Inefficient user management
- > Lack of automation

After:

- > Unified access and intrusion solution
- > Significant decrease in security response times
- > Cost savings by automating building functions
- > Integrations to HR system, VMS, and elevators



The story.

Landspítali faced a complicated assortment of alarm systems, a lack of automation, and the ongoing costs of re-keying locks and physical keys. The legacy technology didn't allow a full system overview, and the struggle of managing 10,000 active users added to inefficiencies for security staff.

Powerful and user-friendly.

After careful consideration, ICT's Protege GX platform was chosen to deliver unified access control, intruder detection and building automation for Landspítali. Eypór Örn Eyjólfsson, Product Manager at Securitas commented "ICT is user-friendly and provides a great experience for the end user. The powerful features and integrations make it a perfect choice for a job like this."

After a successful test in the emergency department, the ICT Protege GX system was deployed across the entire hospital leading to around 1,000 doors and 10,000 users currently managed by a central Protege GX server network.

Saving time and money.

The environment provided by a unified ICT solution brings alarms, access, and automation together in one central interface. Landspítali has seen cost-savings from increased building efficiencies by automating functions such as light controls, and arming/disarming and opening/closing of areas.

These improvements also have benefits for the people tasked with looking after the day-to-day security at the hospital. Landspítali's guard patrol now receive alarms or events directly to mobile phones or tablets, significantly lowering their response time. Projects Manager at Landspítali, Andri Valur Gunnarsson says, "it's been so helpful for them, the guards are really happy with it." And with the ability to reset alarms, or arm/disarm areas remotely from handheld devices, it gives them more flexibility to react.

One platform, one data source, one card.

Managing 10,000 active users presented challenges when dealing with access level changes, new users, or former employees. By connecting the HR database with Protege GX using ICT's SOAP Web Service, when an employee is entered into one system it automatically updates in the other, providing a cohesive solution to control user access.

This is particularly useful when a staff member forgets to return a credential at the end of their employment – once they are removed from the HR database, the card will no longer grant access.

For staff, the most noticeable improvement is that instead of juggling multiple keys, they now only need one card for access. "The hospital policy is to have an environment without physical keys, ICT is a perfect option in that regard," says Gunnarsson. This single credential gives access to any authorized areas, including doors, elevators, even medicine cabinets – which are all controlled by assigned access levels in Protege GX. It even allows them to pay for meals in the cafeteria from a single card.

Staff and patient safety is also enhanced by the integration of the hospital elevators. Staff present their access credential in the elevator to gain access only to those floors they are authorized for. There are also parts of the hospital that require higher levels of security. Using video doorbells, staff can check authorization and grant access to these areas from their desktop screens, sending a signal to the ICT controller to open the requested door.

Touch-free hygiene.

A major consideration for the hospital was how to increase the health and comfort of staff by reducing the surfaces that they need to touch. This was achieved by the widespread introduction of automatic door openers. When an authorized credential is presented, the system sends a signal to automatically open the door. This has proved particularly useful during the Covid-19 pandemic, when increased hygiene measures were called for.

Although not all doors are fitted with automatic openers yet, the aim is to continue installation of these throughout the hospital, and in the new building currently under construction to make it fully touch-free. There is also testing underway to bring mobile credentials and video integration into the Protege GX ecosystem, as part of a continuous drive for improvement.

The outcome.

By connecting multiple sites and combining access control, building automation, intruder detection, video surveillance and user management into a single cohesive system, Landspítali has seen increased staff efficiencies, improved response times, and a much-improved user experience.

Connected and responsive.

ICT's unified Protege GX solution has modernized hospital security with a hygienic, low-contact solution, and laid the groundwork for future growth at Landspítali.



About ICT.

Founded in 2003 by Hayden and Rachael Burr, ICT began with a focused vision to provide innovative and easy-to-use electronic access control and security solutions. Almost 20 years later, tens of thousands of companies worldwide use ICT products and systems every day, and our vision remains steadfast and engrained in all we do.

With headquarters in Auckland, New Zealand, we have a global presence and an international reach. Offices in Denver (USA), Toronto (Canada), Melbourne (Australia), Copenhagen (Denmark) and Hong Kong, provide full local sales, support and service to our clients and partners around the world.

Innovation is in our DNA.

With more than 40% of our staff dedicated to research and development, innovation is a core part of the ICT DNA. When you invest in an ICT solution, you can rest assured that your investment is protected by the best in the industry.

One solution, maximum value.

Our use of open technology allows our products to integrate seamlessly with your existing systems, providing a comprehensive solution that adds value to the infrastructure investments you already have on site.

From design to dispatch.

Every ICT product is designed and manufactured in New Zealand from our state-of-the-art purpose-built premises, with 100% of products going through rigorous testing standards to ensure superior quality.

This is all backed up by sales, support, and training, and we offer a 5-year warranty for our ICT Dealer Network members, providing the perfect solution for your next project, regardless of scope.



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