

HEALTHCARE



TORUS

torus-technology.com

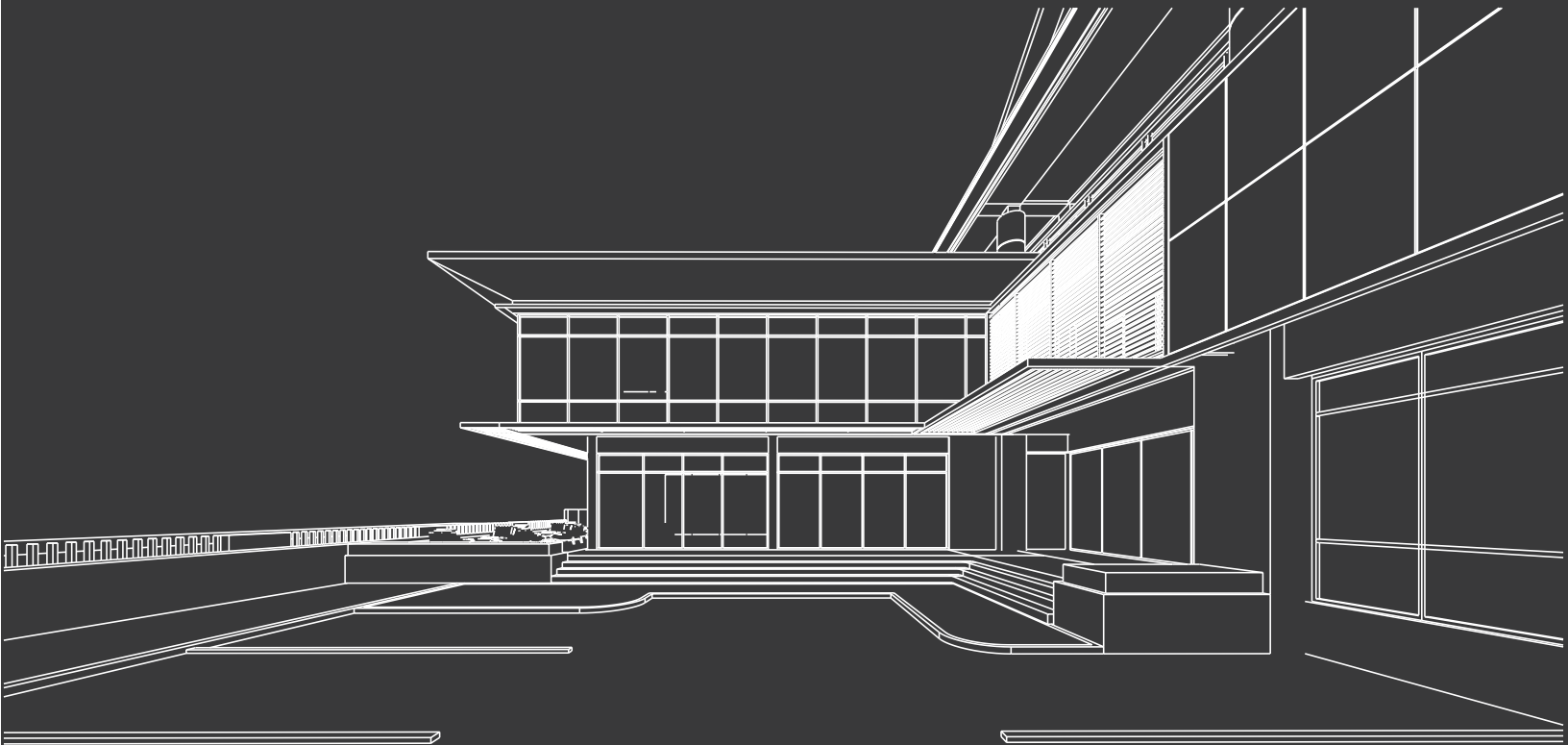
CLOUD-NATIVE ACCESS CONTROL FOR KEYS



KEEPING TRACK OF THE HOSPITAL KEY MAZE

In hospitals, every key unlocks critical access. But with so many keys in so many places, it's all too easy for them to go missing.

Uncontrolled access to keys can result in severe consequences, including patient & staff safety risks, theft, operational disruption, non-compliance with health regulations. Not to mention loss of trust and reputation.



Ambulance and Vehicle Access



Grand Master and Master keys



Medication and Supply Cabinets



Patient Room Access



External Doors and Perimeter Security



Emergency and Restricted Areas



Staff Lockers and Personal Storage



Utility and Maintenance Rooms

THE PROBLEM WITH KEYS

A missing key is more than just an inconvenience. It's a risk. Because in hospitals, if the right key is lost or unavailable, the consequences can be severe.



Escalating replacement costs

Regularly replacing missing keys and locks becomes very expensive, very quickly.



Wasted time and resources

Managing keys takes away from other important tasks.



Patient and staff safety

When keys go missing or end up in the wrong hands, it puts safety on the line.



High security risks

Physical vulnerabilities can expose hospitals to intrusions, potentially disrupting operations and leading to security risks.



Operational inefficiencies

Manual key handling and traveling between sites - just to collect keys - increases staff downtime and reduces productivity.



Non-compliance

Problematic key management goes against the industry standards concerning security and access.

WHAT IS TORUS?

Torus is a cloud-native access control solution for keys. It's easy to use and scale across multiple sites - allowing you to manage your organization's keys, cards and tags with ease.

Since 2001, Torus has revolutionized key management in the healthcare sector.

Harnessing the power and security of cloud-native technology, Torus will elevate the efficiency, security and safety of your hospital.

Torus is proven to mitigate security risks, enhance accountability, ensure authorized access and deliver rapid return on investment.

So, stop wasting time on manual key management. With Torus, you can have complete key control at your fingertips.



COMPLETE CONTROL AT YOUR FINGERTIPS

Control every key across your healthcare facility and ensure only authorized staff access critical areas and pharmaceuticals. You'll also benefit from a secure, scalable system designed to meet the demands of the industry.



Easy to install

With POE, DHCP and no local server requirements, Torus can be fully installed within an hour.



Cloud native

Seamlessly connect key cabinets without any IT hassle and access the software from anywhere.



Certified security

Gain peace of mind with a team of over 3500 Microsoft cybersecurity experts working to safeguard your data.



Remote key control

Make fast, informed decisions with insightful dashboards and reports accessible from anywhere, anytime.



Unlimited scalability

Use one account for unlimited keys, cabinets and buildings – perfect for organizations with multiple locations.



SMS and email alerts

Resolve security issues faster and keep the right people informed with real-time notifications.



Return on investment

Eliminate labor costs, contractor fees and the price of changing locks.



Solution for the future

Torus keeps evolving with over-the-air updates – making it a smart, long-term investment.

DELIVERING SAFETY, SECURITY AND OPERATIONAL EFFICIENCY TO YOUR HOSPITAL

SAFETY

Exception reporting

Torus reports on overdue keys, changes to access rights, unauthorized access attempts and deleted users

Full audit trails

We audit every key event or action that takes place in your organization so users are always accountable

Electrical safety

Torus has achieved the highest levels of electrical and radio frequency safety certifications

SECURITY

Multi-custody keys

We ensure dual or multi-authentication to access critical keys and assets.

Access schedules

Torus grants or restricts access to keys based on day and/or time restrictions.

Real-time alerts

Torus sends you real-time SMS and email alerts on key transactions.

EFFICIENCY

Automated access

Torus ensures keys are available 24/7 to authorized users - no need for security personnel to manage keys manually.

Key return assurance

Torus ensures that keys are always returned and never leave the site.

Seamless integration

Torus integrates with existing access control and other third-party systems.



TORUS MAKES EVERYONE'S LIVES EASIER



NURSES

Torus ensures nurses and staff have secure, 24/7 access to critical assets without delays.

This means they efficiently perform their jobs without requiring other staff/stewards to issue them keys. And they don't need to waste time traveling to a central location to receive and return keys.



FACILITY MANAGERS

Torus delivers control over keys and improves efficiency across unlimited sites – making a manager's job much easier.

With automated alerts and full reporting, staying on track of your keys has never been simpler. And they don't have to waste time issuing keys and getting them back.



SECURITY

Torus enhances security with exception reporting, real-time alerts and multi-factor authentication, preventing unauthorized access to your facilities.

Plus, detailed schedules help maintain compliance with industry regulations, ensuring key control at every level.



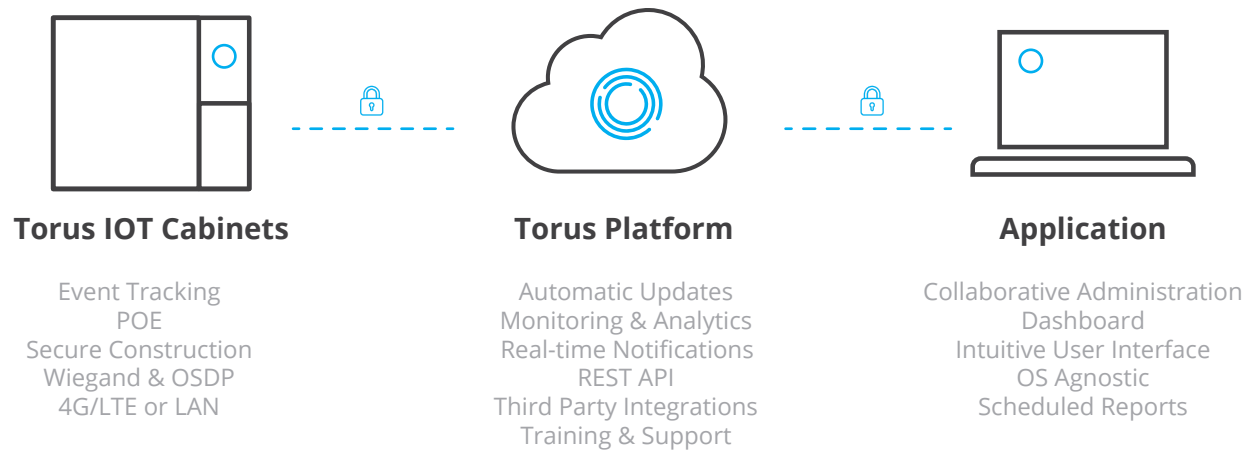
CONTRACTORS

With Torus, contractors receive controlled, time-limited access to keys without compromising security.

What's more, with automated schedules and real-time reporting at their fingertips, your administrators will always know who's working when and from where.

HIGH SECURITY CLOUD INFRASTRUCTURE

Built using the power and security of Microsoft Azure, Torus provides an enterprise-grade key management system.



AVIGILON™

brivo®

COMPLYFLOW



Genetec



Honeywell

inner range

IntelliTrac
Imagine



LENEL·S2

Microsoft Azure

Rapid

sassi

sine
by Honeywell

SIEMENS

SOFTWARE HOUSE
C-CURE 9000

swiftConnect

wicket

ZKTeco

Manufacturer

Torus is designed and manufactured by CIC Technology Pty Ltd, an ISO 27001 & 9001 certified organization



Data Security

Torus software inherits Microsoft Azure's multi-layered security, deployed across physical data centers, infrastructure and operations. It is supported by the largest team of cybersecurity experts in the world.

Certifications

Tier 4
ISO/IEC 27001
ISO/IEC 27018

CSA
SOC 1
SOC 2

PCI
DSS
HIPAA

CHILDREN'S HOSPITAL OF ORANGE COUNTY (CHOC) SAVES 6,000 HOURS EVERY YEAR BY AUTOMATING ACCESS CONTROL FOR KEYS

CHOC is a pediatric healthcare system based in Orange County, California. CHOC offers several clinical programs of excellence for serious pediatric illnesses and injuries, physical and mental.

THE CHALLENGE	THE SOLUTION	THE OUTCOME
The operations team at CHOC faced challenges in managing facility keys. Without an access control system for keys in place, keys were issued manually with one staff member acting as a steward. Staff and contractors had to wait for the steward to issue and collect keys, causing delays in emergency situations. Issues included: ✖ Continual key loss ✖ Human error ✖ Safety and security risks ✖ Keys leaving site ✖ Wasted time and resources	CHOC chose Torus to control and monitor keys, ensuring keys never leave the site. This allowed the management to quickly address instances of lost, damaged, or misplaced keys. ✔ 6 Torus cabinets installed across multiple sites. ✔ Automated 24-hour access to keys ✔ Improved productivity and operational efficiency ✔ Reduced administrative burden ✔ Real-time alerts via SMS and email	CBRE transformed its operations, achieving significant time and cost savings. As a result, it: + Saves 6,000 hours every year across multiple sites + Achieved ROI in 3 months + \$15,000 a year saved on replacing locks and keys + \$300K per year labor efficiency gain across staff and contractors

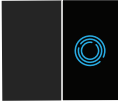
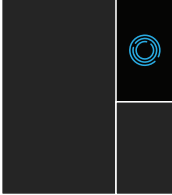
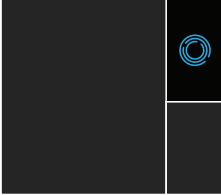
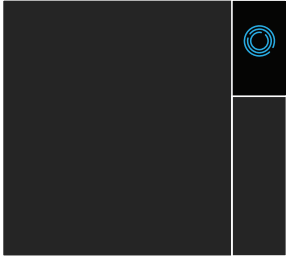


Security and accountability are integral to the efficient running of the hospital. Torus has made a massive difference in our key management system. We now have confidence that keys will not leave the site, allowing our staff to focus on delivering high-quality service to our patients".

PlantOps Manager, **CHOC**



THE NITTY-GRITTY

				
TORUS 5	TORUS 15	TORUS 25	TORUS 50	TORUS 100

CAPACITY	5 key sets	15 key sets	25 key sets	50 key sets	100 key sets
WEIGHT	33lbs	77lbs	92lbs	119lbs	196lbs
HEIGHT	13 ⅛ "	26 ¾ "	26 ¾ "	26 ¾ "	37 "
WIDTH	19 ⅛ "	22 ¼ "	25 ¾ "	34 ¼ "	40 ¾ "
DEPTH	7 ¼ "	7 ¼ "	7 ¼ "	7 ¼ "	7 ¼ "

Metric Units

WEIGHT	15Kgs	35Kgs	40Kgs	54Kgs	89Kgs
HEIGHT	335 mm	675 mm	672 mm	675 mm	942 mm
WIDTH	485 mm	532 mm	620 mm	840 mm	1036 mm
DEPTH	182 mm	182 mm	182 mm	182 mm	182 mm

ACCESSORIES



EMERGENCY
READER DEVICE (ERD)



BIOMETRIC
READERS



TAMPER-PROOF
KEY RINGS



PROX
READERS

Get in touch to learn more about how Torus
can revolutionize your hospital.

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