

TORUS

DENVER PUBLIC SCHOOLS

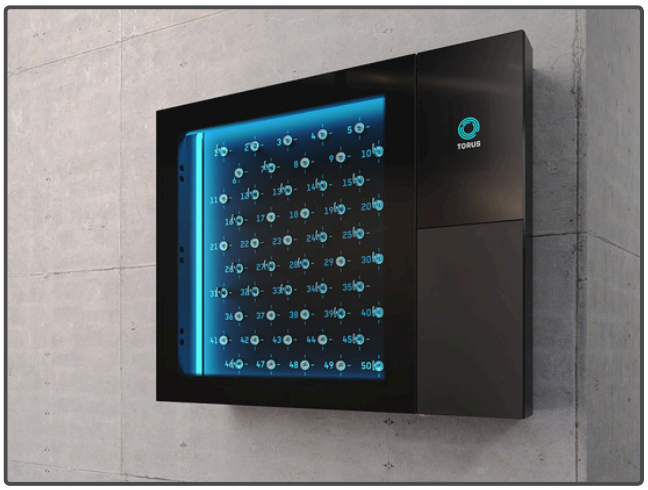
ENHANCING SAFETY AND SECURITY BY CONTROLLING MECHANICAL KEYS

SECURING 100+ SCHOOL SITES WITH TORUS

Key Management challenges - Before Torus

- No accountability for keys and their usage.
- Staff often forget to return keys, making them unavailable for others - causing delays, wasted staff and contractor time.
- Lost or missing keys led to frequent requests to cut new keys, creating a security risk and unnecessary expense.
- Keys were often taken off-site or moved between locations due to mismanagement.





Torus Cabinet installation

- Torus cabinets are being installed across all 200 school sites.
- Each cabinet is conveniently located near the main entrance and monitored by security cameras.
- A standard key layout is used across all cabinets to ensure consistency. This improves familiarity, speeds up access, and ensures adoption and compliance. For example, HVAC keys are located in the same position in every cabinet across sites.

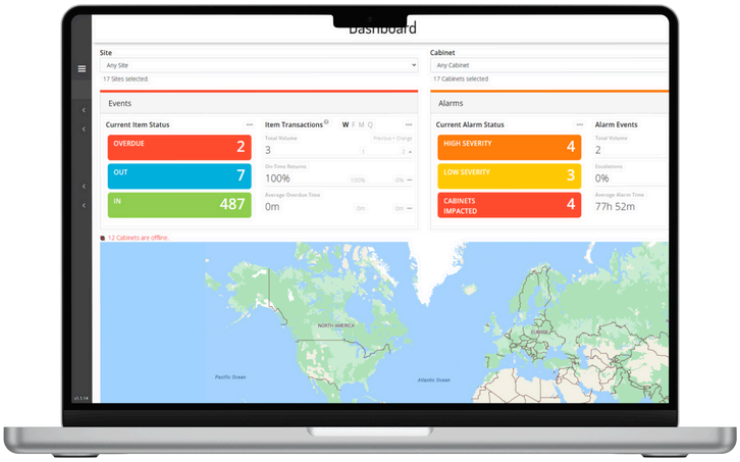
Access and Availability

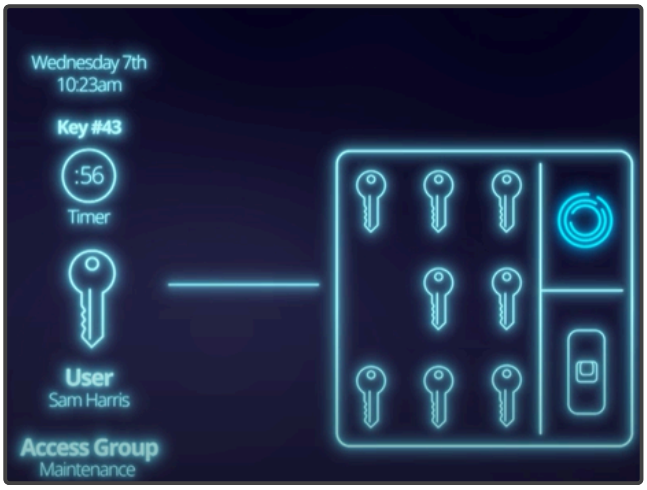
- Temporary-use keys (e.g., for engineering, maintenance, and repairs) are stored in the cabinets.
- Staff and contractors can go directly to the site without needing to collect keys from another location.
- Keys are readily available and easy to access.
- Key access is linked to each individual's school credential, ensuring accountability.
- Torus cabinets secure emergency, master, and weekend keys, which can be assigned to staff and contractors quickly and easily.



Role-based Access Management

- Access groups are created for each role (e.g., electrical, plumbing, HVAC) across all cabinets, simplifying key management across 200 sites.
- Each role (e.g., electrical, plumbing, HVAC) is assigned a designated set of keys, securely stored and controlled at every location.
- Permissions are updated dynamically, allowing new staff or contractors to access the correct keys. Access can be revoked in real time.
- With Torus, a small team can effectively manage keys and personnel across 200 sites.





Monitoring and Reporting

- Timers are set on all keys, with durations based on key type and purpose.
- If a key is not returned on time, SMS reminders are sent to the user and email alerts to administrator, improving on-time key returns.
- Administrator receives text notifications when overdue keys are returned - no need log in, ensuring visibility even after hours.
- Accurate and timely returns keep keys available for the next user.
- Torus dashboard shows real-time visibility of which keys are in or out, preventing delays and keys unavailability.

Future Enhancements

- Future plans include creating a dedicated administrator role specifically for emergency responders.
- This role would have limited permissions but retain the ability to take critical actions during an emergency.



COMPLETE CONTROL AT YOUR FINGERTIPS

Control every key across your K-12 schools and university network, ensuring only authorized staff access critical assets. You'll also benefit from a secure, scalable system designed to meet the demands of the education sector.



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 campuses – perfect for schools and universities with multiple campuses.



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 CAMPUS

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 areavailable 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 campus.

Seamless integration

Torusintegrates with existing access control and other third-party systems.

Arizona State University
BELLEVUE COLLEGE
BOSTON UNIVERSITY
DENVER PUBLIC SCHOOLS
IVANHOE GIRLS' GRAMMAR SCHOOL
LA TROBE UNIVERSITY
RIALTO UNIFIED SCHOOL DISTRICT
TwinRivers UNIFIED SCHOOL DISTRICT
THE UNIVERSITY OF UTAH
UTS
UNIVERSITY OF CANBERRA
THE UNIVERSITY OF WESTERN AUSTRALIA



TORUS

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

(833) 939-3355 (USA)

(+61) 1300 182 199 (Australia, NZ)

torus-technology.com

sales@torus-technology.com