

Total Management Solution

For Utilities

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Experience a safer and more
open world



Traka Intelligent Solutions for Utilities



Utilities are an important element of critical infrastructure that always requires a high level of security at all times as any damage to these services can cause disruption to the daily lives of people, loss of revenues and life. One of the critical challenges faced by the industry is managing external and internal access control to these geographically dispersed, often unmanned sites, while ensuring compliance to strict industry regulations which only adds to the complexity.



High Security

With the infrastructure geographically dispersed across many unmanned sites, it is difficult to maintain the necessary visibility such as badge access logs and server room surveillance feeds. Physical vulnerabilities would have enabled infiltrators to cause **loss of revenues of a paralysed facility to be between \$252,000 and \$750,000 per day¹**.



Health & Safety

Workers in the utilities industry are at an increased risk of serious injuries and fatalities (also called SIFs), researchers analysed 1,060 recordable incidents across 11 organisations in electric, gas and water utilities and found that workers in **utilities had a SIF exposure rate of 32%**, compared with 25% for all industry workers.



100% Compliant

The NERC's approval of the CIP Version 5 and the Reliability Assurance Initiative are in place to help mitigate cyber and other operational risks to the bulk power system. The standards intensify the pressure on utilities to strengthen their controls and compliance programs. **Non-compliance can result in reliability issues, reputational damage, lost regulatory margin and/or significant fines and penalties.**

¹ Mazzucchi, D. N. (2019). Renewable Energy Infrastructure: Physical and Cyber Vulnerabilities Assessment. Mazzucchi. <https://enseccoe.org/data/public/uploads/2019/01/nato-ensec-coe-operational-highlights-no12.pdf>.

² Safety+Health Magazine. (2018, October 29). SIF exposures higher among utilities workers: study. Safety+Health Magazine. <https://www.safetyandhealthmagazine.com/articles/17643-sif-exposures-higher-among-utilities-workers-study>.

Challenges & Solutions: Compliance, Control and Cost Efficient

Challenge #1: How to manage staff and vendor access to keys and assets?

Traka Solution: Secure Access



Multiple Authorisations

Ensures dual control over vault keys/ combinations and other critical assets



Access Schedules

Grant/restrict access to assets based upon day and/or time restrictions



Curfew Management

Curfew can be set on any asset to enforce its return by a certain time



Email Notification

Email notifications to alert users of specific key/asset movements, events and overdue curfews

Challenge #2: How to streamline operational process while keeping it safe to follow?

Traka Solution: Process Automation



Automated Access

Ensure keys and assets are available 24/7 to authorised users only



Real-Time Update

Provides real-time state change information from the system



Seamless Integration

Able to integrate with existing third-party systems to drive critical processes and reduce administration



Reason Logging

User must log the reason as to why they need that key



Asset Return Assurance

Assurance that keys and assets never leave the facility



Automated Lockout

Ensures dangerous machines are shut off and secured before commencing maintenance work

Challenge #3: How to ensure compliance with governing authority?

Traka Solution: Full Audit Trail & Customisable Reports



Full Audit Trails

Every event/action that takes place, be that at the cabinet is audited so users cannot trick the system



Complete History

Able to retain a complete history and report of all key cabinet, locker and user transactions



Service & Maintenance Request

Generate request automatically to ensure all equipment is operational and ready-to-use



Exception Reporting

Reports overdue key, change to access rights, unauthorised access attempts and deleted users



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Traka is the global leader in intelligent management solutions for keys and equipment. Our solutions help all types of organisations control their important assets, improving productivity and accountability, and reducing risk in critical processes.

Expect more from an integrated key and asset management solution by Traka

- **Reduced administration** – no need to manually distribute keys or log usage
- **Monitor user activity** – each user is uniquely identified through PIN, access badge or biometrics
- **Better control** – allocate specific items to authorised users at specific times, and allow custom access rules such as double or triple authorisations as needed
- **Reliable and robust** – our designed to IP67 rated, nickel-plated brass iFobs provide years of proven maintenance-free use
- **Increased visibility** – real-time and centralised activity reporting, with email notifications and alarms to instantly alert administrators of important events
- **Deep integration functions** – can integrate with third-party databases and systems to reduce administration and drive process
- **Compliance** – meeting the stringent requirements from major regulatory bodies for system configuration and gaming equipment control



Traka makes your keys and assets work for you like never before



Protect keys and assets

Our key cabinet and locker systems keep items safe from unauthorised use



Control access

You determine when items are available, and who can access them



Create accountability

With all activity recorded, users are fully accountable for the items they use



Full audit capability

Retain a complete history of all key cabinet, locker and user transactions



Reduce downtime

Put keys and assets where they are needed most, and manage access from anywhere



Collect valuable data

Every user and item transaction is recorded, allowing valuable reporting on item utilisation



Drive process

Integration reduces administration overhead, and provides superior control over critical processes



KEY MANAGEMENT SOLUTIONS

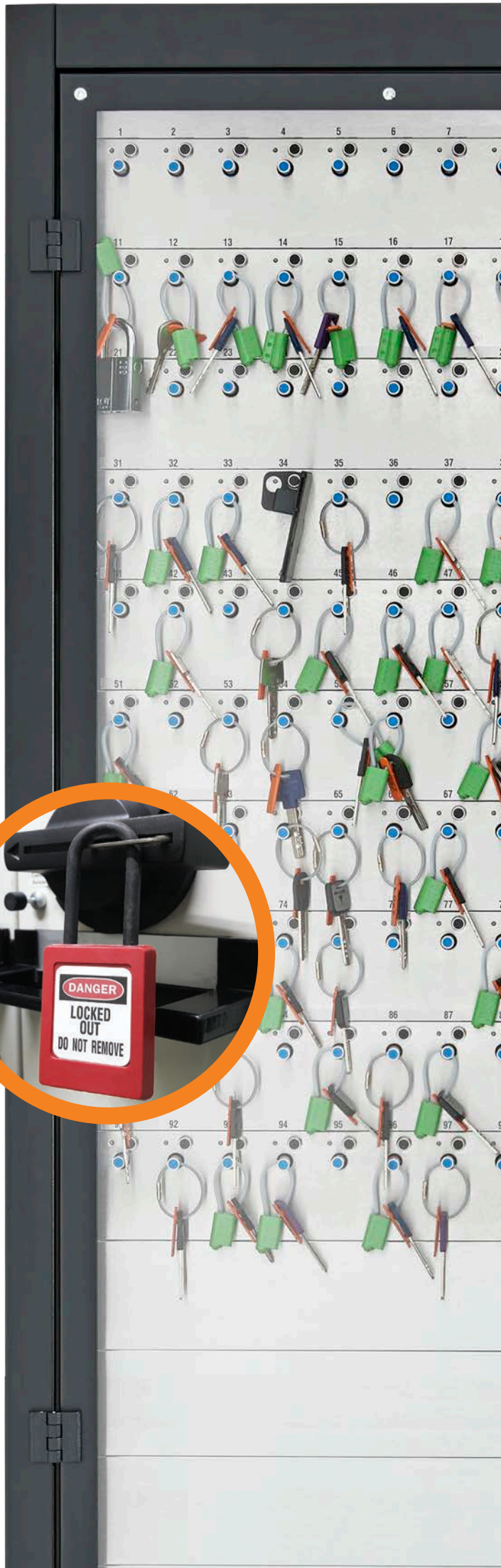
How do intelligent keys help drive an intelligent business?

Traka has the answer

Our intelligent key management solutions and electronic key management systems secure, manage and audit the use of every key. Traka ensures that only authorised staff are allowed access to the custom key cabinets and only then, to designated keys. The high-security key management system provides a full audit trail of who removed the key, when it was taken and when it was returned keeping your staff accountable at all times.

Beyond securing and managing access to keys, Traka solutions can generate unique workflows that support the important processes of your business – require a secondary authorisation for master keys, pair key sets to guarantee the lockout of hazardous systems during maintenance, or set curfews which automatically send notifications to administrators, managers or users.

Managed by Traka, the key inventory you already have goes beyond being a tool to unlock a door or start a vehicle, it becomes an instrument to influence the core of your daily operations. Integrated Traka key systems have the flexibility, scalability and customisation options to benefit any size organisation.



The Traka iFob makes your keys "intelligent".

ROI Calculation

Cost of service lost

Avg. time spent looking for keys per day:	8 hours/day
50 staff x 10 min = 500 min	
Avg. cost of time loss/month:	£960
Labour rate (£6/hour) x 20 days	
TOTAL LOSS PER YEAR: £960 x 12 months	£11,520

Cost of damaged locks or lost keys

Avg. number of keys lost per year (est.)	20 keys
Cost to replace and service per lock	£250
TOTAL LOSS PER YEAR:	£5,000

Cost of asset replacement

Avg. number of assets replaced per year as a result of loss, theft or misuse per year	20 items
Avg. cost of each protected asset	£60
TOTAL LOSS PER YEAR:	£1,200

TOTAL FINANCIAL LOSS/YEAR

Cost of service lost (A)	£11,520
Cost of damaged locks or lost keys (B)	£5,000
Cost of asset replacement (C)	1,200
TOTAL LOSS PER YEAR: (A) + (B)+(C)	£17,720
TOTAL LOSS PER YEAR FOR 6 LOCATIONS	£106,320

Note: Figures stated are based on our experience with customers.

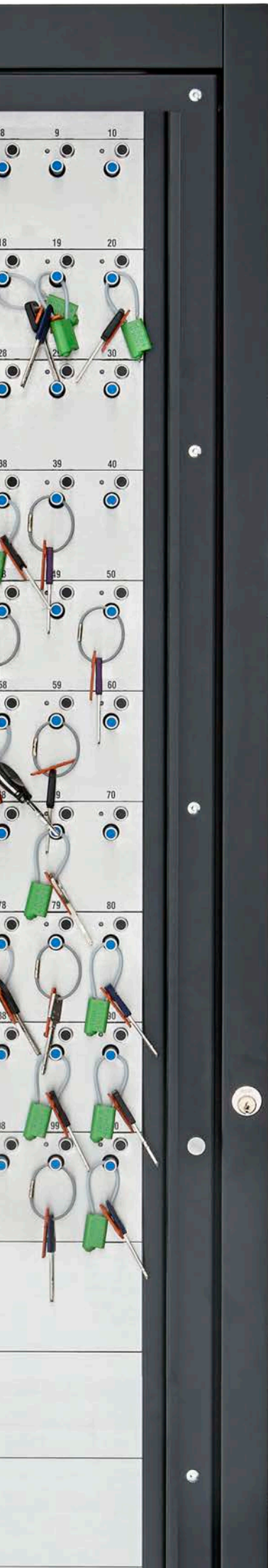
Results

Within 6-12 months, there is an increase in speed to access by 95%. The increased in speed of access to keys ensured quicker response time during emergencies and unplanned maintenance.

The instant traceability of all key movements breeds accountability. There has been no report of lost keys and equipment replacement.

What does this mean to your business?

The automated solution strengthen operational procedures pertaining to access and movement of keys. The business is able optimise resources-use to best serve their investment in manpower and new equipment to raise productivity.



Facility



Maintenance



Contractor badges

EQUIPMENT MANAGEMENT SOLUTIONS

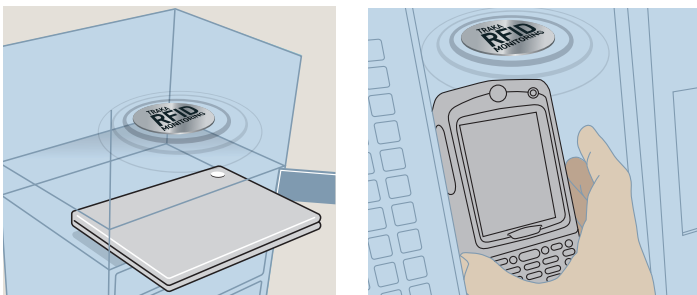
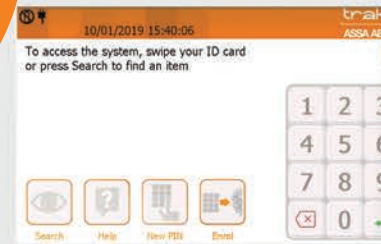
Keep your assets where they
are needed most

Manage them
from anywhere

Your organisation's assets are critical to its success, and should be managed to maximise its effectiveness. Traka locker solutions provide centralised control over your important items, allowing you to determine who has access, and when.

Our industry-leading integration options make administration effortless, and present unique opportunities for your assets to help drive critical processes. Asset identification options, such as RFID tagging, provide the most detailed tracking and asset usage data possible, maximising efficient day-to-day operations.

Whether you need simple, temporary storage for a single facility, or enterprise-level control over thousands of devices around the globe, Traka builds a locker solution to suit the needs of your organisation. With Traka, your assets become more secure, more functional and more valuable to your business.



Intelligent Equipment Management
with RFID Tagging

Traka solutions help to improve business processes:

- Increase efficiency and reduce downtime wasted on locating devices
- Lower maintenance cost due to higher levels of user accountability and responsibility
- Empower businesses with detailed reporting from data collected, on which informed decisions can be made



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Laptops



Tablets



Remote control



Radiation meter



Two-way radios



Personal protective equipment

DECENTRALISED ASSETS, CENTRALISED CONTROL

SIMPLE. INTUITIVE. POWERFUL.



TrakaWEB is a browser-based administration suite for centrally managing Traka Touch key and locker systems from any authorised device on your network, anywhere in the world. It enables you to easily manage users and items from central or distributed locations, and can easily integrate with an existing database to automatically enrol users, credentials and access permissions.

It can support unlimited keys or items allowing systems to be expanded to thousands of key cabinets or locker systems across the globe that can be locally and centrally managed through a secure network.

Power through integration

By integrating with your existing HR, access control or other third-party platforms, Traka can extend the reach of these systems to offline openings, vehicles, electronic devices, tools, and equipment. Gain total visibility of these assets from your central security desk, and take better control over the processes that affect your bottom line.

- Automatically enrol users and define security settings based on employee status or department assignment
- Prevent users from exiting a facility or clocking out until keys are returned
- Restrict access to hazardous areas until the proper safety equipment is checked out



Application Features For Utilities



Access Schedules



Administrative Regions



Curfew Management



Custom Messages



Email Notifications



Fault Logging



Item Booking



Multiple Authorisations



Notes Logging



Real-Time Update



Reason Logging



Automated Lockout



Asset Return Assurance*

* Asset Return Assurance means that users cannot leave the premises if they have not returned the keys or assets they removed earlier.

Software Security



ISO27001 Accredited
Information Security Management System



Tested by Customers and Third-Parties
Frequently penetration tested with no critical or high-level issues found



Backed by the ASSA ABLOY Global Technology Team
Security specialists who analyse our platform to provide independent assurance of our platform



Meet OWASP Top 10 Security Threats
Regularly tested in-house using industry-standard penetration testing tools



Continuous Programme of Security Enhancements
To ensure compliance and maintain approvals for use on major corporate networks, the banking sector and government and military installations



Software Development Lifecycle Management
Robust processes that embed security requirements through all our developments and drives compliance to industry standards

The ASSA ABLOY Group is the
global leader in access solutions.
Every day we help people feel
safe, secure and experience a
more open world.

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