



ACSYS DATACENTER ACCESS SOLUTION

SMART KEYLESS ACCESS FOR TRADITIONAL, COLOCATION & HYPERSCALE DATACENTER ENVIRONMENTS



OVERVIEW

ACSYS INTERNATIONAL LTD. SPECIALISES IN ADVANCED ACCESS CONTROL AND INTELLIGENT LOCKING SOLUTIONS.

FOR DATACENTER ENVIRONMENTS, ACSYS HELPS OPERATORS SECURE OUTDOOR CRITICAL INFRASTRUCTURE, EXTERNAL PERIMETER POINTS, RESTRICTED TECHNICAL AREAS, AND SELECTED INDOOR CONTROL ROOMS WITH GREATER PRECISION, VISIBILITY, AND CONTROL.

THE SAME SOLUTION IS HIGHLY RELEVANT FOR HYPERSCALE DATACENTERS, WHERE LARGE-SCALE OPERATIONS REQUIRE SECURE, FAST, AND AUDITABLE ACCESS ACROSS MULTIPLE OUTDOOR AND RESTRICTED ZONES.

THE SOLUTION IS BUILT AROUND IP68-RATED PADLOCKS AND BLUETOOTH CYLINDERS, SUPPORTED BY MOBILE ACCESS, TEMPORARY PERMISSIONS, AUDIT LOGS, FAST RETROFIT INSTALLATION, AND 24/7 MULTILINGUAL TECHNICAL SUPPORT.



SECURE



INTELLIGENT



OUTDOOR-READY



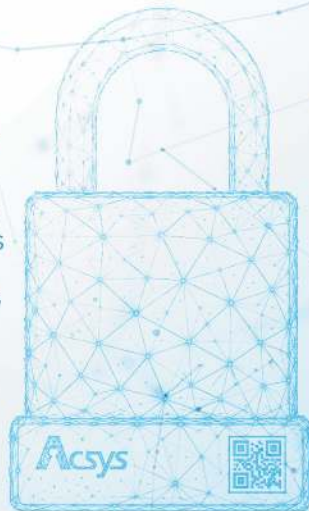
VISIBLE



RETROFIT-READY



SUPPORTED



MISSION & VISION

VISION

To be a global leader in intelligent access control delivering secure, connected, and scalable solutions that improve operational efficiency through innovation, service excellence, and long-term customer partnerships.

MISSION

We deliver secure and connected access control for distributed infrastructure, enabling keyless entry, real-time workforce coordination, and the operational visibility teams need to manage remote assets efficiently through solutions that scale and partnerships that last.



THE DATACENTER ACCESS CHALLENGE

Datacenters, especially hyperscale environments, are not secured only inside the building. Operators must control access across outdoor critical infrastructure, perimeter points, power systems, cooling assets, fuel areas, restricted rooms, and high-value field assets.

TRADITIONAL KEYS CREATE RISK AND OPERATIONAL FRICTION:

- ▶ Lost, copied, or unreturned keys
- ▶ Hard-to-control contractor and vendor access
- ▶ Limited visibility on outdoor asset activity
- ▶ Costly lock changes after team or vendor changes
- ▶ Difficult access control for cooling, power, fuel, and perimeter assets
- ▶ Restricted areas requiring strict accountability
- ▶ Datacenter operations need access that is secure, visible, flexible, and easy to manage.



WHAT ACSYS SOLVES

ACSYS REPLACES PHYSICAL KEY DEPENDENCY WITH INTELLIGENT ACCESS CONTROL FOR OUTDOOR ASSETS AND RESTRICTED AREAS.



TEMPORARY ACCESS



MAINTENANCE TEAMS



VISITORS



VENDORS



GRANT A COOLING
TECHNICIAN



CONTRACTORS



GENERATOR
CONTRACTOR

TIME-BOUND ACCESS FOR CONTRACTORS, VENDORS, MAINTENANCE TEAMS, AND APPROVED VISITORS. GRANT A COOLING TECHNICIAN OR GENERATOR CONTRACTOR ACCESS ONLY FOR THE APPROVED SERVICE WINDOW.



AUDIT LOGS

REVIEW ACCESS HISTORY BY
USER, ASSET, DATE, AND TIME.

Asset	User	Access Type	Date	Time	Status
Transformer Yard	John Doe	Open	2023-10-27	14:30	Success
Fuel Storage Area	Jane Smith	Open	2023-10-27	15:45	Success
Security Gate	Mike Johnson	Open	2023-10-27	16:20	Success
Cabinet	Alice Brown	Open	2023-10-27	17:10	Success
Restricted Room	Bob White	Open	2023-10-27	18:00	Success

SEE WHO OPENED A TRANSFORMER YARD, FUEL STORAGE AREA, SECURITY GATE, CABINET, OR RESTRICTED ROOM.



CONTROLLED ACCESS

ACCESS ONLY TO APPROVED OUTDOOR ASSETS AND RESTRICTED AREAS. ACCESS ONLY TO APPROVED AREAS.



FLEXIBLE PERMISSIONS

ACCESS BY ROLE, TIME, LOCATION, ASSET, OR PURPOSE.



INSTANT REVOCATION

REMOVE ACCESS WITHOUT CHANGING LOCKS.



REAL-TIME VISIBILITY

TRACK ACTIVITY ACROSS GATES, CABINETS, DOORS, AND FIELD ASSETS.



OPERATIONAL SUPPORT

24/7 MULTILINGUAL TECHNICAL SUPPORT ACROSS TIME ZONES.

ACSYS DATACENTER SOLUTION

ONE CONNECTED KEYLESS ACCESS ECOSYSTEM FOR CRITICAL FACILITIES.



PL5 BLE PADLOCK

For security gates, outdoor cabinets, transformer yards, fuel areas, utility zones, and external perimeter access points.



ACCESS MANAGEMENT PLATFORM

For datacenter operators, facility managers, security teams, and co-location controllers.



BOLT KEYLESS CYLINDER

For restricted external doors, networking rooms, control rooms, fire suppression rooms, key cabinets, and service enclosures.



SMART ACCESS MOBILE APP

For contractors, vendors, technicians, security staff, and approved visitors.

WHY KEYLESS ACCESS

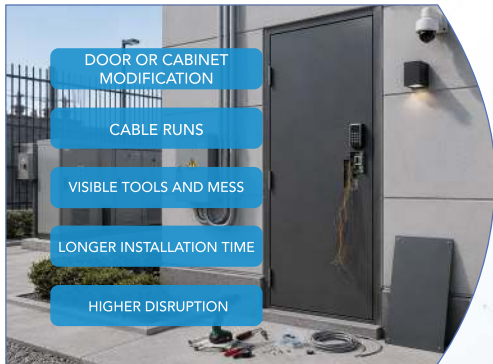
DATACENTERS NEED MORE THAN PHYSICAL LOCKS. THEY NEED CONTROLLED ACCESS, REAL-TIME VISIBILITY, AND ACCOUNTABILITY ACROSS THE FULL FACILITY.



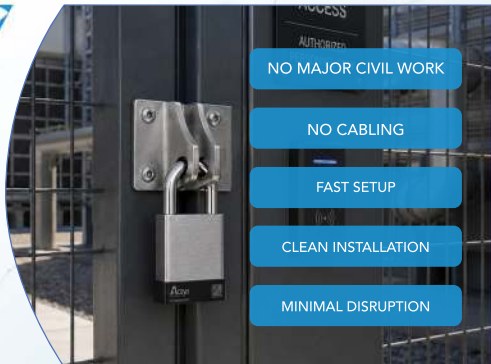
FAST RETROFIT INSTALLATION

SMART ACCESS WITHOUT MAJOR FACILITY DISRUPTION.

TRADITIONAL INSTALLATION



ACSYS RETROFIT INSTALLATION



IDEAL FOR EXISTING DATACENTERS, OCCUPIED FACILITIES, OUTDOOR INFRASTRUCTURE, AND CO-LOCATION ENVIRONMENTS WHERE UPTIME AND AESTHETICS MATTER.

SCOPE OF APPLICATIONS

ONE KEYLESS ACCESS SOLUTION ACROSS THE FULL DATACENTER AND HYPERSCALE CAMPUS ECOSYSTEM.



OUTDOOR COOLING INFRASTRUCTURE

Cooling towers, chillers, mechanical service zones.



POWER & ELECTRICAL INFRASTRUCTURE

Power distribution units, ATS, medium voltage switchgear, low voltage panels.



ENERGY & FUEL AREAS

Backup generators, flow battery energy storage, fuel storage areas.



PERIMETER & EXTERNAL ACCESS

Security gates, external perimeter access points, transformer yards, and outdoor technical cabinets.



CO-LOCATION & RESTRICTED ENTRY

Co-location entrances, restricted external doors for networking rooms.

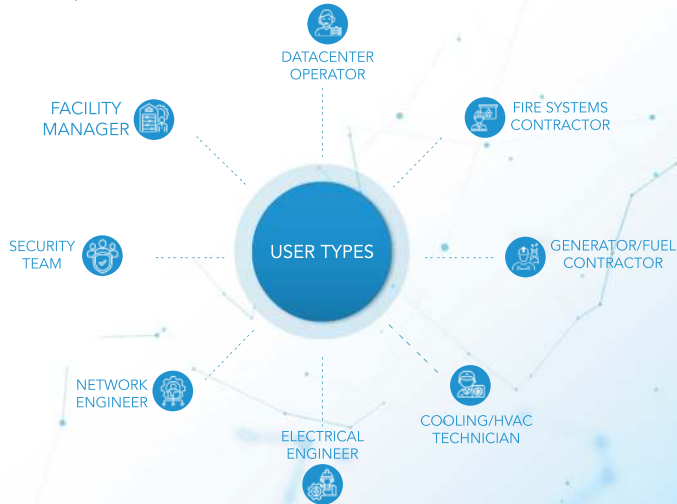


INDOOR CRITICAL CONTROL ROOMS

SOC, CCTV control rooms, fire suppression control rooms, key cabinets.

ACCESS RIGHTS MANAGEMENT

GIVE EVERY USER THE RIGHT ACCESS
NO MORE, NO LESS.



PERMISSION TYPES



FULL



SCHEDULED



TEMPORARY



RESTRICTED



NO ACCESS

EXAMPLE PERMISSION RULES



OPERATIONS & FACILITY TEAMS

- OPERATOR: FULL ACCESS TO APPROVED OPERATIONAL ZONES.
- FACILITY MANAGER: ACCESS CONTROL AND PERMISSION OVERSIGHT.
- SECURITY TEAM: GATES, SOC, CCTV ROOM, AND KEY CABINETS.



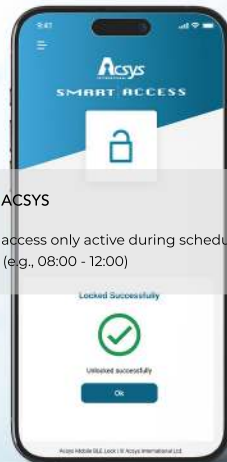
TECHNICAL TEAMS

- NETWORK ENGINEER: NETWORKING ROOMS AND SELECTED EQUIPMENT AREAS.
- ELECTRICAL ENGINEER: SWITCHGEAR, PANELS, ATS, AND TRANSFORMER ACCESS.
- COOLING TECHNICIAN: CHILLERS, COOLING TOWERS, AND MECHANICAL ZONES.



VENDORS & VISITORS

- FUEL CONTRACTOR: GENERATOR AND FUEL STORAGE ACCESS ONLY.
- FIRE CONTRACTOR: FIRE SUPPRESSION CONTROL ROOM ACCESS.
- CO-LOCATION TENANT: AUTHORIZED ENTRANCE AND ASSIGNED AREAS ONLY.
- VISITOR: TEMPORARY SUPERVISED ACCESS.



THE DATACENTER ACCESS EXPERIENCE

EVERYTHING STARTS FROM ONE CONTROLLED ACCESS DECISION.

Approve vendors.



Schedule maintenance.



Grant tenant access.



Secure outdoor assets.



Receive notifications.



Review activity.



CONTROLLED. VISIBLE. CONVENIENT

HOW IT WORKS

DATACENTER OPERATOR / FACILITY MANAGER



SELECT USER

Engineer, contractor, tenant, security, or visitor.



SELECT ACCESS POINT

Door, gate, cabinet, room, yard, or infrastructure zone.



SET PERMISSION

Always, scheduled, temporary, restricted, or one-time.



USER OPENS WITH APP

Keyless access through Smart Access.



ACCESS IS RECORDED

Every event is logged for auditability.

HOW IT WORKS

MAINTENANCE / VENDOR ACCESS CONTROLLER

1

APPROVE REQUEST

A task is created for a specific datacenter asset or zone.

2

ASSIGN ACCESS

Only the required access point is enabled.

3

TECHNICIAN OPENS

BOLT door, BOLT cabinet, or PL5 BLE gate/padlock.

4

ACCESS EXPIRES

Automatically after the approved time window.

5

ACTIVITY IS LOGGED

For visibility, accountability, and compliance review.

TEMPORARY & SCHEDULED ACCESS

CREATE ACCESS WITHOUT HANDING OVER A PHYSICAL KEY.

CONTRACTORS

TIME-LIMITED ACCESS FOR APPROVED WORK.

CO-LOCATION TENANTS

CONTROLLED ACCESS TO ASSIGNED AREAS.

SECURITY TEAMS

GATE, SOC, CCTV, AND INCIDENT-RELATED ACCESS.

MAINTENANCE TEAMS

ACCESS ONLY WHERE NEEDED.

MAINTENANCE TEAMS

UPDATE OR REVOKE ACCESS ANYTIME.



SMART ACCESS MOBILE APP

DATACENTER ACCESS IN THE
PALM OF YOUR HAND.

SET SCHEDULES FOR
RECURRING MAINTENANCE.

OPEN APPROVED GATES, ROOMS,
CABINETS, AND OUTDOOR ASSET POINTS.

RECEIVE ACCESS ALERTS AND
NOTIFICATIONS.

SEND TEMPORARY ACCESS TO
VENDORS AND CONTRACTORS.

REVIEW ACCESS
HISTORY.

REVOKE ACCESS ANYTIME.

DESIGNED FOR



OUTDOOR CABINET



NETWORKING ROOM



GENERATOR YARD



COOLING TOWER



SECURITY GATE



FUEL STORAGE



TRANSFORMER YARD



BOLT FOR RESTRICTED DOORS & ROOMS

KEYLESS CYLINDER ACCESS FOR CONTROLLED DATACENTER DOORS.

BEST FIT

-  RESTRICTED EXTERNAL DOORS
-  CO-LOCATION ENTRANCES
-  NETWORKING ROOMS
-  SOC ROOMS
-  CCTV CONTROL ROOMS
-  FIRE SUPPRESSION CONTROL ROOMS
-  KEY CABINETS

KEY BENEFITS

-  MOBILE ACCESS
-  FLEXIBLE PERMISSIONS
-  TEMPORARY GUEST ACCESS
-  ACCESS VISIBILITY
-  RETROFIT-READY

RETROFIT-READY



NO MAJOR CIVIL WORK. NO
CABLING. FASTER INSTALLATION.



BOLT FOR TECHNICAL CABINETS & SERVICE AREAS

SECURE ACCESS BEYOND THE MAIN FACILITY DOOR.

BEST FIT

POWER DISTRIBUTION
UNITS

ATS ENCLOSURES

SERVICE CABINETS

LOW VOLTAGE PANELS

KEY CABINETS

CONTROL PANELS



KEY BENEFITS

CONTROLLED SERVICE ACCESS

NO UNCONTROLLED KEY SHARING

UNIFIED ACCESS EXPERIENCE

VISIBLE ACCESS HISTORY

PL5 BLE FOR OUTDOOR INFRASTRUCTURE & PERIMETER ACCESS

IP68-RATED KEYLESS ACCESS FOR RESTRICTED OUTDOOR ASSETS.

BEST FIT



KEY BENEFITS

IP68-RATED OUTDOOR ACCESS

MOBILE APP OPERATION

ACCESS LOGS

BUILT FOR DEMANDING
ENVIRONMENTS

SUPPORTS INDOOR / OUTDOOR
SITE COVERAGE

SIMPLIFIED TECHNICAL SNAPSHOT

	BOLT KEYLESS CYLINDER	PL5 BLE PADLOCK
		
TEMPERATURE	-20°C TO 65°C	-20°C TO 65°C
IP RATING	IP68	IP68
MATERIAL	ALUMINUM KNOB, BRASS BODY	BRASS BODY, HARDENED BORON STEEL SHACKLE
DIMENSIONS	EURO DIN PROFILE, 40 MM 10/30	70 × 125 × 31 MM, 11 MM SHACKLE

WHY ACSYS

A SMARTER WAY TO SECURE DATACENTER ACCESS.



SECURE

Reduce
key-related risk.



OUTDOOR-READY

IP68-rated solutions for
demanding environments.



VISIBLE

Know who accessed
what and when.



SUPPORTED

Native English, Spanish, and
Portuguese speakers.
24/7 support across time zones.



RETROFIT-READY

Fast setup without major
infrastructure work.



FLEXIBLE

Permissions by role,
time, and location.



THANK YOU



• **ACSYS DATACENTER ACCESS SOLUTION**
SMART KEYLESS ACCESS FOR CRITICAL INFRASTRUCTURE

WWW.ACSYS.COM