Acsys is a global leader in the emerging field of mechatronics access control. With technology originating from two famous French defense contractors in 1999, Acsys products and solutions provide a powerful means to control who goes where and when, indoors and outdoors, without wiring and without reliance on a power supply.

A highly specialized international team delivers world-unique, patented solutions. From the Code Generation System (CGS) and Keypad Key to remote staff management via the AcsysMobile App, the modular, and solution-oriented approach sets Acsys apart from other security competitors. With top-tier clients in the public and private sectors extending across telecommunications, banking, power, mining, logistics, luxury shops, aviation and more. Acsys proves why it’s all about security & productivity!
VALUE-DRIVEN DATA

• Who is on the site?
• Why are they on the site?
• Who do they work for?
• What are they doing there?
• Was the job done?
• When was it done?
• Was it done well?
• How long did it take?

The Acsys Telecom solution is a remote worker, site and asset, attendance and productivity tool, based on a combined and integrated hardware and software platform. The system accrues data continuously from every users access to a site or asset.

This data provides the system or network owners with the right insights as to the performance of their users and assets. The data provides real-time operational insights, allowing users to make smarter, faster and more calculated business decisions.

Site users have password enabled electronic keys without permissions, those keys can be remotely activated by entering a temporary OTP (One Time Password) on the key, which is sent to the user, by SMS or smartphone APP. This code gives the user a single access to a site or asset. In the same way as online banking tokens, the solution is simple, affordable and secure and works even when the Mobile network is not operating.
The integrated solution provides system managers with an overview of the execution, non-execution or quality of execution of work on sites and assets.
### MECHANICAL VS MECHATRONIC

**MECHANICAL**

- Productivity Increase
- Site Uptime Increase
- Site Opex Reduction
- C02 Emissions Reduction
- Time To Site Reduction
- Theft Reduction

**MECHATRONIC**

- 73%
- 60%
- 30%
- 50%
- 60%
- 95%

### MECHANICAL VS MECHATRONIC

**PERCENTAGE CHANGE**

- Site Opex Reduction
- Time To Site Reduction
- Theft Reduction

### DATA

- Was the Job done?
- When was it done?
- How long did they stay?
- When did they arrive?
- How well did they do the job?
- Ease of Access
- Theft prevention & control

### OPEx REDUCTION

- ERP/MRP Integration & Loopback
- Site attendance integration
- Site visit and billing integration
- Time to site integration
- Trouble ticketing Integration
- KPI/SLA adherence
- Secured and controlled access
- Predictive maintenance

### PRODUCTIVITY INCREASE

- As the Acsys key can be remotely activated to have access on any site or asset by either SMS or APP, more sites can be visited in one day meaning less HR

- Users are able to attend to sites and assets faster as their key can be activated to work on any site thanks to the real-time remote key activation CGS+ feature

- Clear records of site attendance + time spent gives a good real-time view on the Opex cost of the site/asset and results in accurate and benchmark-able billing

- Since users don’t need to collect/return keys for each and every site, the carbon emissions related to site maintenance are more than halved

- The software GIS displays site attendance in real-time on the Map allowing the NOC to efficiently dispatch the qualified vendor quickly to the right site

- Thefts are caused by copied & lost keys. The Password key cannot be copied and can only be used with a software code which is limited in time/site & asset
The AcsysCGS concept is similar to token creation systems seen in online banking. Whenever a user needs to use a key, he must make a code request to the NOC. When his access is validated, a random 10-digits time limited code is delivered to the user. This request can be made by sending an SMS or via calling an operator at the NOC. When the user receives the code, he enters it on the key and only then the key will become useable for a fixed amount of time (ex: 10 minutes) to allow for access to the door and will become the ENTRY/EXIT ACCESS LOG.

Because the key can only be activated upon request and when a code has been issued by the software, there is no threat of lost/stolen keys nor is there a risk that the user will be able to use the key at anytime without prior approval of the NOC. If the key is entered into a lock where it does not have access 3 times, it will automatically block itself, providing a high level of security against fraudulent usage; the key can be reset either locally or remotely after entry of a special software generated code.

AcsysCGS solution is the safest and most convenient way to control access to remote sites and assets by allowing users to get to the site without the need for picking up or returning keys.

At any time, all of the key’s access logs can be downloaded to give the NOC a complete overview of the following: Access Request Time, Access Request Location (site/asset), Time of Entry / Time of Exit, Attempted Access to Other Sites/Assets Without Authorization.
Instead of sending/receiving SMS for opening and closing of Acsys locks using the Acsys CGS solution, the user can now use the App to make the Open/Close code requests.

This solution is called “Location-Based” as access and related CGS code will only be issued when the user’s smartphone’s GPS has reached the desired location. The NOC will also be informed of user arrival.

The Acsys App is fully REDUNDANT, in case data is not available the App will automatically switch to SMS mode.

The Acsys Mobile App is a fully customizable EVENT MANAGEMENT and TICKETING tool, allowing the NOC to issue tasks to users through the Smartphone App.

Whenever a user arrives on site and requests a code, a real-time notification is sent to the NOC, The real-time report and information is a powerful means to check COMPLIANCE with SLA terms.

If a user is trying to generate a code for a specific site whilst physically being on another site, the NOC will be notified in real-time on the dashboard. The NOC can view the position in real-time of all the smartphone users on the software GIS interface.

User can locate the site/asset on Google maps directly through the App and use the Google navigation tool on the phone to get to the site/asset.
**ACSYS USB/IP/3G PROGRAMMERS SOLUTION**

**NOC LEVEL**

- **ACSYS SOFTWARE**
- **USB PROGRAMMER**
- **3G PROGRAMMER**
- **IP PROGRAMMER**

**USER LEVEL**

- **USER KEY X**
- **USER KEY Y**

**USB PROGRAMMING:**
The most basic way to program Acsys locks and keys is using a programmer connected directly to the USB port on any computer running the Acsys software client. This requires the physical presence of the key at the time of programming. Access rights are created in the software and uploaded to the programmer. By simply inserting the key into the programmer, access rights are uploaded to the key’s memory. Logs of the key’s usage can be downloaded to the database in exactly the same way.

**IP PROGRAMMING:**
IP Programmers allow for distributing access rights across a network. It allows for access rights to be created and downloaded later, as well as real-time notification of site access by a user. As each programmer has its own IP address, an access right can be assigned to one specific programmer (to require presence at a specific location) or to all programmers across a company’s operations (for convenient downloading/uploading).

**3G PROGRAMMING:**
The 3G Programmer is used to connect Acsys’ mechatronic keys and locks with the Acsys software database remotely. Each programmer transfers the access rights assigned to specific user keys and users can enjoy a more convenient manner to update their user keys remotely. Through the 3G/2G network, an 3G Programmer can be placed in any location and is used to quickly edit or delete user keys and to upload access logs from user keys or locks through the transfer keys.
ACSYSTELECOM is a key and lock management software. It manages electronic keys and mechatronic locks patented by Acsys Technologies Ltd. ACSYSTELECOM provides an intuitive and comprehensive user interface which allows the user to easily manage the keys and the locks.

The Acsys system solves all issues related to mechanical locking systems such as bumping locks, lost keys, etc. Furthermore, it provides a revolutionary platform to control who, where, when and how each lock is accessed by a key user. Acsys hardware and software is protected with the most powerful and standardized encryption methods which prevents key duplication.

The reporting tool provides up to date information about all activities performed on the hardware and the software such as; access logs, keys and locks list, deleted keys and locks list, transfer key operations, account operations, user code requests. All reports can be exported in multiple formats such as PDF, XLS and CSV formats. Furthermore with the new Email notification services, the reports can be sent to individual users or user groups on a daily, weekly and monthly basis.

A Live Dashboard is provided through the Acsys CGS+ platform. The Acsys CGS+ platform is a revolutionary module which provides up-to-date real time information of key, lock, user activities and site/asset status. The dashboard identifies the location of each lock, the location of each key user and their activities on and off the sites. Through the power of the integrated Google maps GIS system, the NOC can quickly pin point the location where and by whom the maintenance is taken place.

The Acsys Telecom wizard-like experience is designed to carry out error-free management.
The Acsys Telecom software adopts a module architecture, allowing the customer to select and only pay for what they really need, and the stack approach enables easy upgrade/downgrade without affecting operations.
The Acsys App for smartphones has been designed to be a supplemental control and management. The Acsys App is designed to increase security, increase visibility, reduce NOC workload and automate internal processes such as the request of entry/exit codes.

- Instead of sending/receiving SMS, users can now use the App to make the Open/Close code requests
- Acsys APP solution is called “location-based” as access and related CGS code can only be issued when the user has reached the desired location (within 50 meters)
- User arrives on site & requests a code, a real-time notification is sent to the control center
- User generates a code for a specific site whilst physically being on another site, the control center will be notified in real-time on the dashboard
- If the user moves off-site without locking the site an Alarm will be generated
- User can locate the site/asset on Google maps directly through the App and use the native phone or Google navigation tool to get the site/asset
- The In-App picture taking feature (Pictures report) makes the job tamper-proof
- If the App detects that data coverage is switched off it will automatically request code by SMS
- NOC can in real-time view the position of all the users on the software GIS interface

<table>
<thead>
<tr>
<th>APP VERSION</th>
<th>ACRS ACIO MOBILE APP 1.0</th>
<th>ACRS ACIO MOBILE APP 1.5</th>
<th>ACRS ACIO MOBILE APP 2.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generate lock/unlock code</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Automatic code generation</td>
<td>No</td>
<td>Based on GPS</td>
<td>Based on GPS</td>
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<tr>
<td>Wrong site Alarm</td>
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<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Real-Time view of user</td>
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<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Google map site visibility</td>
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<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Google maps to site navigation</td>
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<tr>
<td>On-site arrival software alert</td>
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<td>Before &amp; after picture</td>
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<td>Safety pack</td>
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</tr>
<tr>
<td>Bluetooth key compatible</td>
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<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>
The software is designed to operate in a multi-country, multi-region, multi-cluster and multi-vendor format providing a flexible and easy way to manage each access. The flexible hierarchy provides a clear visibility over what is going on.
ACSYS CUSTOMIZED SOLUTIONS AND PRODUCTS
1. Use mechanical key to open cabinet lock
2. Remove mechanical cylinder with screwdriver
3. Put Acsys cylinder in & fix it with screwdriver
4. Cabinet lock now secured

REPLACE MECHANICAL LOCK WITH AN ACSYS BLIND LOCK

- NO POWER
- WIRE-FREE
- EASY TO INSTALL
- NO MAINTENANCE
- REAL-TIME

INDUSTRY
DATA CENTERS
POWER COMPANIES
TELECOM

WIDE VARIETY OF HANDLES

ACSYS BLIND LOCK
HIGH SECURITY HASP FOR FRONT GATE AND STORAGE ROOMS

THE SAFEST PADLOCK IN THE WORLD

1. Install HASP on gate, using stainless steel bolts and/or weld to the frame.
2. Close the gate.
3. Insert shackle from top and padlock body from bottom to lock and secure.
4. Padlock is now protected against any outside attack.
In order to further increase safety on the workplace, Acsys and KARAM (www.karam.in) have designed the world’s first integrated fall prevention solution combined with real-time access control. There by preventing un-authorized people from ascending the mast. The solution allows the NOC to control in real-time and wirelessly who is ascending which mast and for what reason, at the same time ensuring the user is properly fastened to the fall prevention equipment before starting this ascent.
ACSYS STACKABLE KEY SOLUTION

- The stackable key solution is another world-unique Acsys development as it offers a previously unknown level of control over access to high-value or sensitive sites.
- The stackable key solution works as a bank safe where two keys are required but only requires one lock instead of two. Since it can also be used on padlocks the solution is available for indoor and outdoor applications.
- The system can be programmed so that up to 5 keys need to be used in order to open 1 lock.
- The solution can be used in conjunction with Acsys CGS remote key activation.

CONCEPT

Worker alone cannot open the lock
Manager alone cannot open the lock

EXAMPLE

Worker & Manager together use 2 keys to open a lock
Worker, Manager & Security staff together use 3 keys to open a lock
ACSYS RSM INTEGRATION SOLUTION

ACSYSRSM solution integrated hardware & software, it is easy to install, easy to use, maintenance free, remote sites/asset monitoring system, include Fuel tank/genset/Shelter monitoring, Hybrid power management & Green power management etc., which can compatible with Mainstream RSM brand, such as Invendis, Kentrox, Sagemcom, Inala and Qowwisio.
ACSYS PRODUCTS

Akey keypad with LCD

Akey keypad

Akey

Blind lock

Double lock

Button lock

PL5

PL2

USB/IP Programmer

3G Programmer