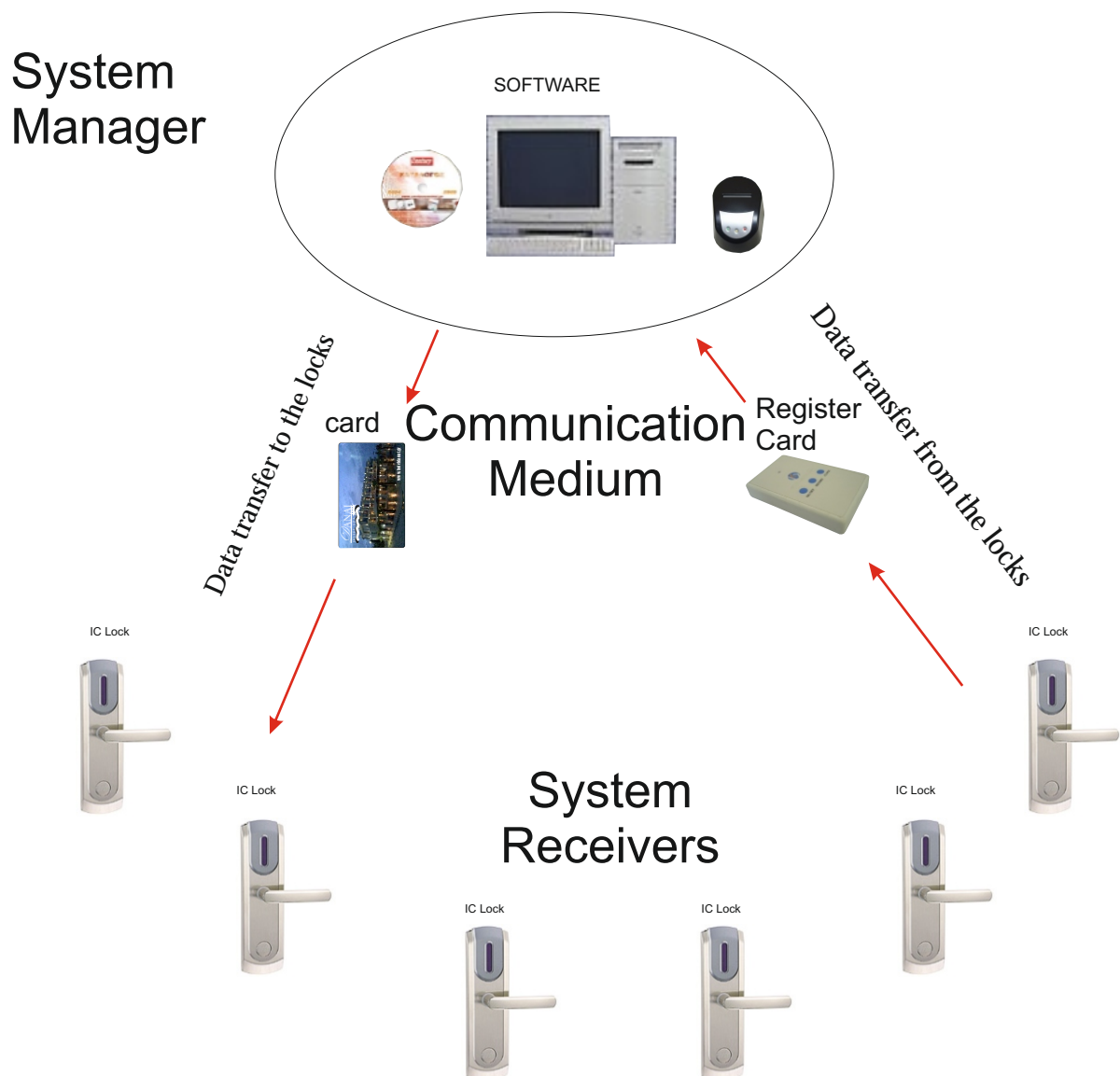# ACCESS CONTROL SYSTEM

Century Control's access control System is the modern way of controlling and managing buildings, commercial spaces, hotels etc. Based on edge technologies and on top range protocols, its architecture and design characteristics come to cover, in a flexible and clever way, any modern need.

With emphasis in security, ergonomics and ease of use, provides solution in everyday or not problems. The combination of computer technology and smart technology transforms the lock from a passive element of the installation into powerful management tool. Locks under the access control system become active parts of the system that turn the modern security needs into action. The space's security ceases to be passive, depending on good security mechanical parts, but acquires its true, active dimension because it depends on a series of logical combinations, in real time and through complex and unbreakable algorithms.

The interactive communication using sounds and visual signals makes the locks become a part of a greater information system. The ability of grouping, time limits and multiple actions give new management perspectives. Control of the whole system from a personal computer gives the ability of overall management of buildings, personnel, time and all of the elements involved into a complex system like the access control system. The processing of files/electronic archives and the statistic analysis actively contribute to the programming and functioning of the space.
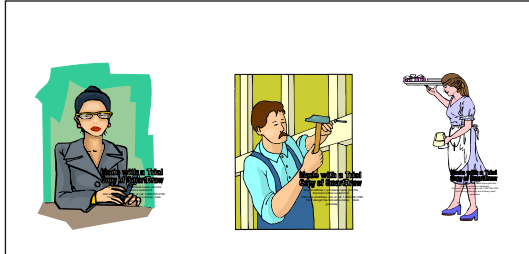
ACCESS CONTROL SYSTEM
SYSTEM ARCHITECTURE

System
Manager

SOFTWARE

Data transfer to the locks

Data transfer from the locks

card
Communication
Medium
Register
Card

IC Lock

IC Lock

IC Lock

IC Lock

System
Receivers

IC Lock

IC Lock

ACCESS CONTROL SYSTEM
WHAT YOU CAN MANAGE

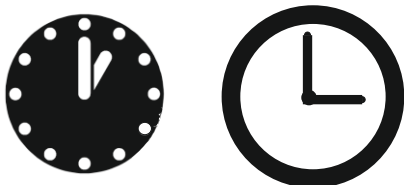**1.** *Facilities Management*

2. *Personnel Management*

Customers Management

3. *Time Management*

ACCESS CONTROL SYSTEM MANAGEMENT TOOLS

SOFTWARE

PERIPHERALS

READ-WRITE

SYSTEM REQUIREMENTS

WINDOWS 98 or newer
you need a free
RS 232 port to connect
the Read-Write

HARDWARE

IC Lock

The lock has its own internal software
that make it able to receive and execute
commands that the cards carry.

ACCESS CONTROL SYSTEM
USER MANAGEMENT

SOFTWARE

CENTURY CONTROL IC LOCK

User Management			
User	Users' information		Authority
▶ geo	User [geo]		☐ User
geo1	Password [ ]		☐ Maintenance
	Confirm password [ ]		☐ Room
			☐ Lodging

◀ Top   ◀ Prior   Next ▶   Bottom ▶

Add   Edit   Cancel   OK   Delete   Exit

MULTIPLE
USERS

FOUR
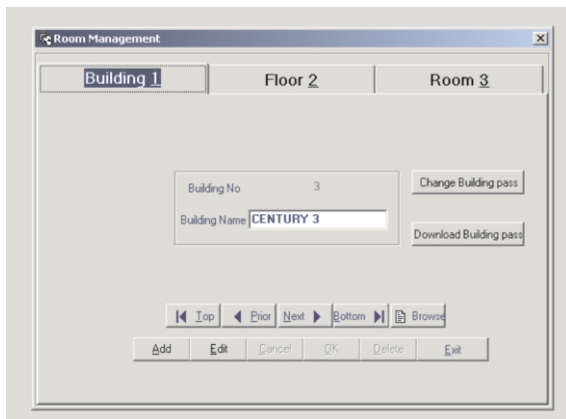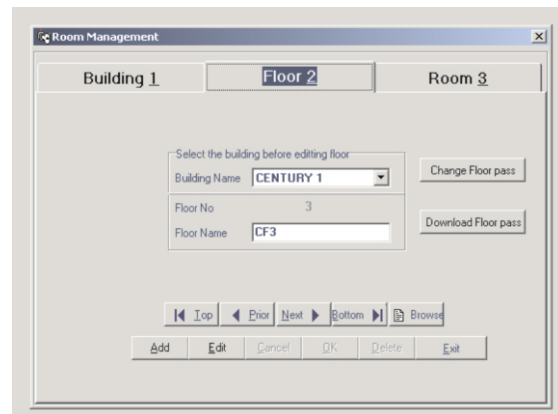*ACCESS RIGHTS*
GROUPS

1. Generate Users
2. Issue Special Cards
   (master , building , floor κλπ)
3. Create and Modify
   a data base
   cancel special cards
4. Manage customers' access rights
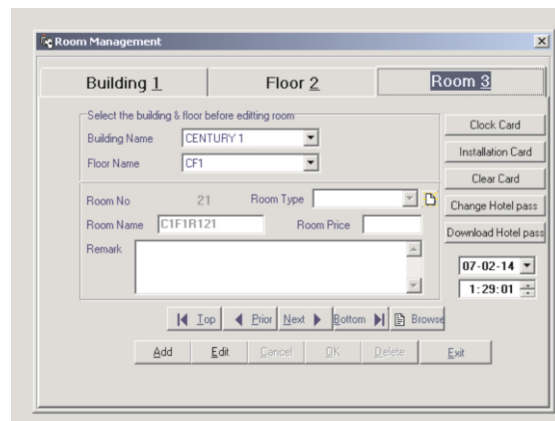
ACCESS CONTROL SYSTEM
FACILITIES MANAGEMENT

SOFTWARE

CENTURY CONTROL IC LOCK

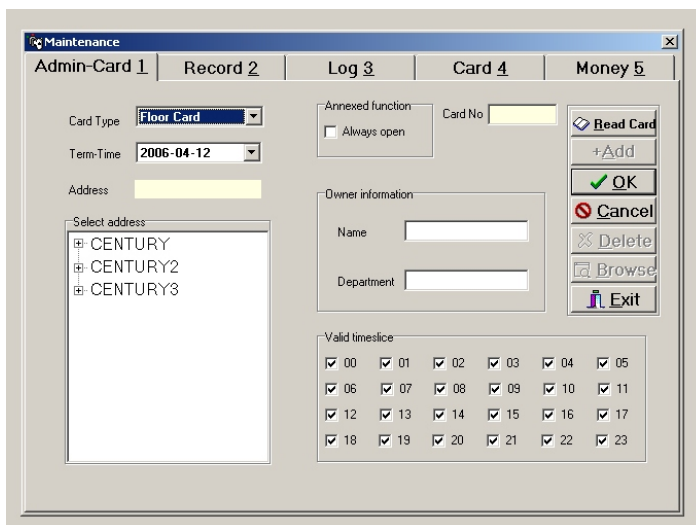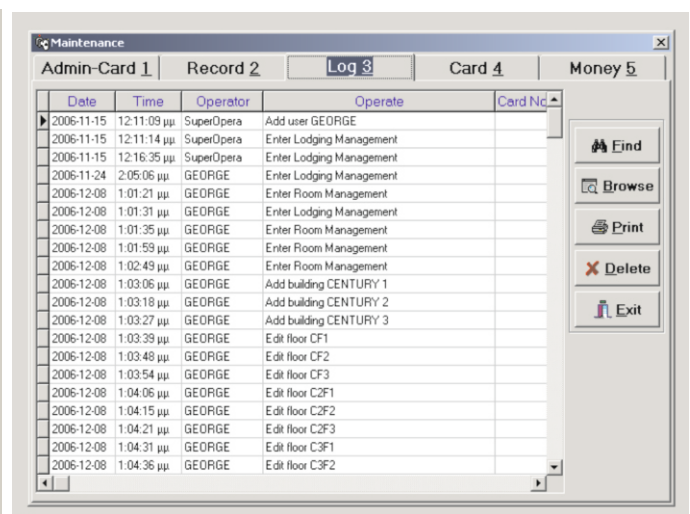## *MULTIPLE*
BUILDINGS
FLOORS
ROOMS

Create and Manage
Hotel data bases
Cancel special cards
Issue lock initialization cards

ACCESS CONTROL SYSTEM
ACCESS RIGHTS MANAGEMENT

SOFTWARE

BUILDING
FLOOR
ROOM
KEY-CARDS

Create master cards ,
building cards
floor cards etc.
Watch action statistics
Read and modify
data stored
in locks.
Define special cards
time limits etc.

ACCESS CONTROL SYSTEM
GUEST ACCESS RIGHTS

SOFTWARE
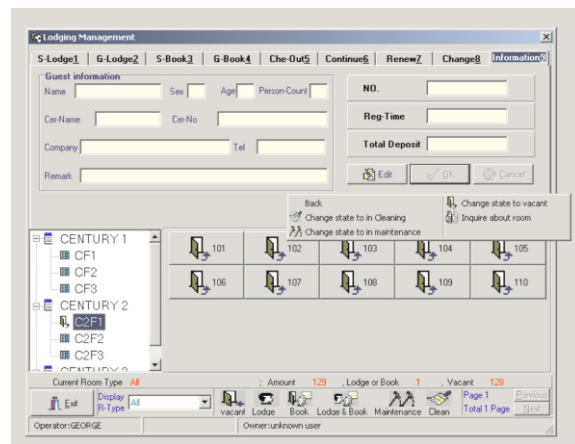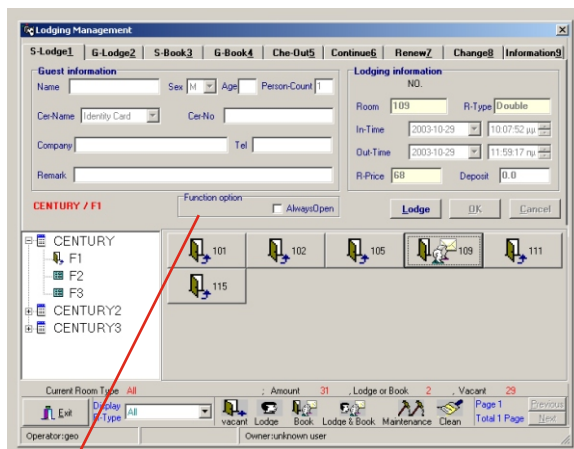
MANAGE GUEST ACCESS RIGHTS

Issue guest cards
Instant issue or booking for single customers or group of customers
Cancel access rights after departure
Cancel access rights in case of card loss
Extend time limits
Transfer access rights to a different room
Write comments for specific rooms or change room status for special occasions (maintenance, cleaning etc)

Graphic display of room status
Arithmetic display of total rooms

ACCESS CONTROL SYSTEM
INSTALLING NEW CARDS

SOFTWARE

Format cards and make them part of the system

Read cards
Create time cards

ACCESS CONTROL SYSTEM
LOGICAL CHECKS PROCESS

```
                    ┌──────────────┐
                    │    INSERT     │
                    │    CARD       │
                    └──────┬───────┘
                           │
                          ◇ HOTEL         NO
                           │ CODE    ──────────────►  REJECTION
                           │ VALIDATION              THREE NON VALIDATIONS
                          ◇                          LEAD TO CARD DESTRUCTION
                           │
                          YES
                           │
   MASTER CARD  ◄───────────────── CARD TYPE CHECK ──────────────►  GUEST CARD
       │                    │                  │                         │
     OPEN          BUILDING CARD          FLOOR CARD                     │
```
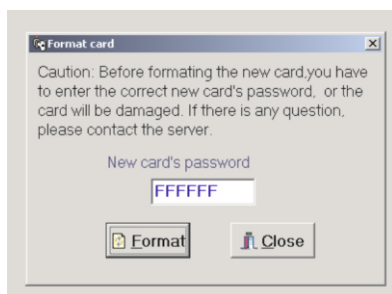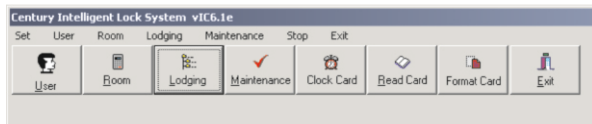
MASTER CARD → **OPEN**

BUILDING CARD

- BUILDING CODE CHECK — NO → REJECTION
- YES ↓
- EXPIRATION DATE CHECK — NO → REJECTION
- YES ↓
- SERIAL NUMBER CHECK — NO → REJECTION
- YES ↓
- SAFETY LATCH STATE (OFF) CHECK — NO → REJECTION
- YES ↓
- **OPEN**

FLOOR CARD

- ΕΛΕΓΧΟΣ ΚΩΔΙΚΟΥ ΟΡΟΦΟΥ — NO → REJECTION
- YES ↓
- EXPIRATION DATE - WORKING HOURS CHECK — NO → REJECTION
- YES ↓
- SERIAL NUMBER CHECK — NO → REJECTION
- YES ↓
- SAFETY LATCH STATE (OFF) CHECK — NO → REJECTION
- YES ↓
- **OPEN**

GUEST CARD

- ΕΛΕΓΧΟΣ ΚΩΔΙΚΟΥ ΔΩΜΑΤΙΟΥ — NO → REJECTION
- YES ↓
- DATE HOUR CHECK — NO → REJECTION
- YES ↓
- SERIAL NUMBER CHECK — NO → REJECTION
- YES ↓
- SAFETY LATCH STATE (OFF) CHECK — NO → REJECTION
- YES ↓
- **OPEN**

ACCESS CONTROL SYSTEM
ACCESS DIAGRAM

Hotel — *Master Card*

Building 1 **Building** 2 **Building** 3 — *Building Card*

Floor 1 — *Floor Card*

Floor 2

Higher level cards have more access rights than lower level cards.

Floor 3

Floor 4

R401 R402 R403 R404 R405 R406 R407 R408 — *Staff Card*

Guest Card