

## CASE STUDY:

### Automated Self-storage managed by ABI /AIViS

#### Objectives of the project

Automatic system of access control and security control enables intelligent non-stop usage of storage boxes. Project came out of requirements on high technical and technological level comparable with world wide standard. The stock behaves as an intelligent building, in every instant of time defines motion of persons in object and safe several stocking boxes in the same time. The system of security underlie to double-level control. The aim of the ABI/ AIViS application was to integrate and monitor all the technology installed in the storage and unattended managing access to individual self storage boxes. The operator of the Storage is monitoring (mostly remotely) using AIViS:

- The list of free boxes available
- Attendance of persons in the storage (including history)
- Status of all devices installed (security, fire alarm, access, cctv, heating, ventilation, computer network, CO detectors, lightings)
- Getting prompt messages about alarms caused by any device fault or by security or fire alarms
- Getting prompt messages about unauthorized access of a person to foreign boxes

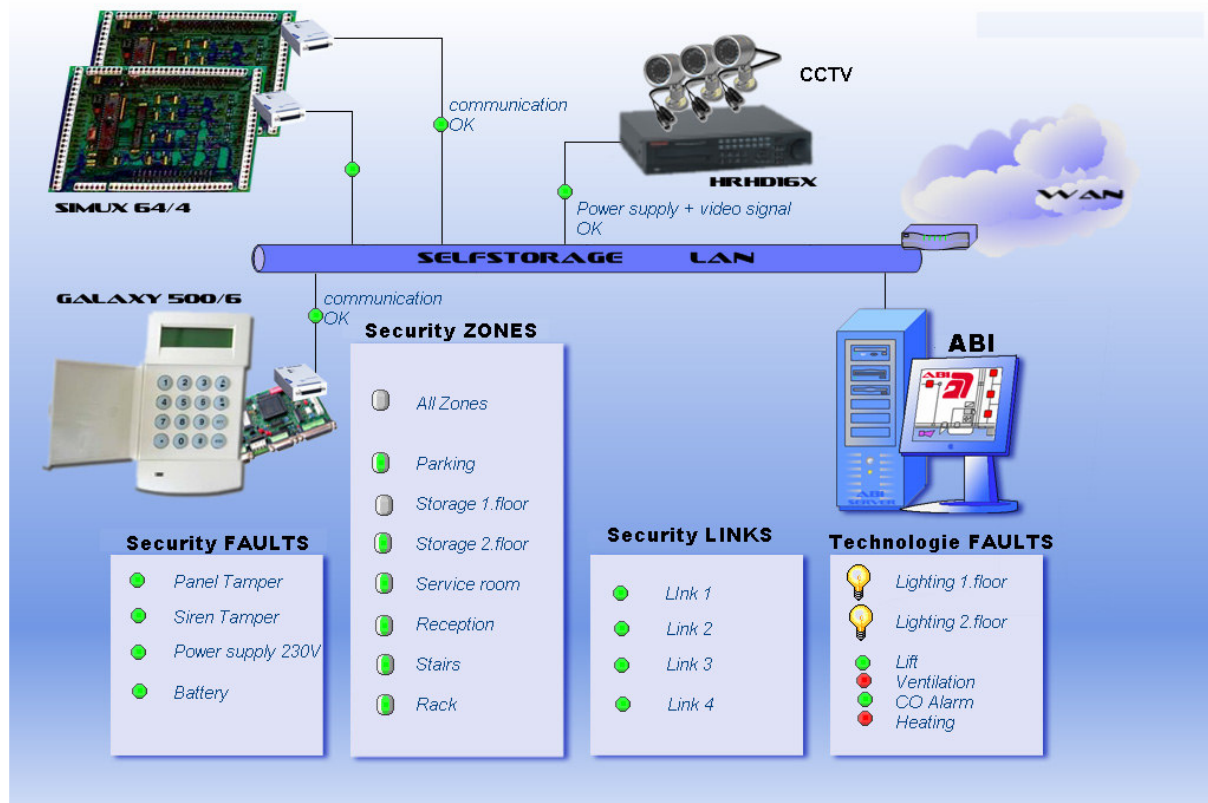
The operator of the Storage is using ABI to manage the customer data, cards and access rights to the boxes and to generate rental reports on cost data.

#### Devices installed

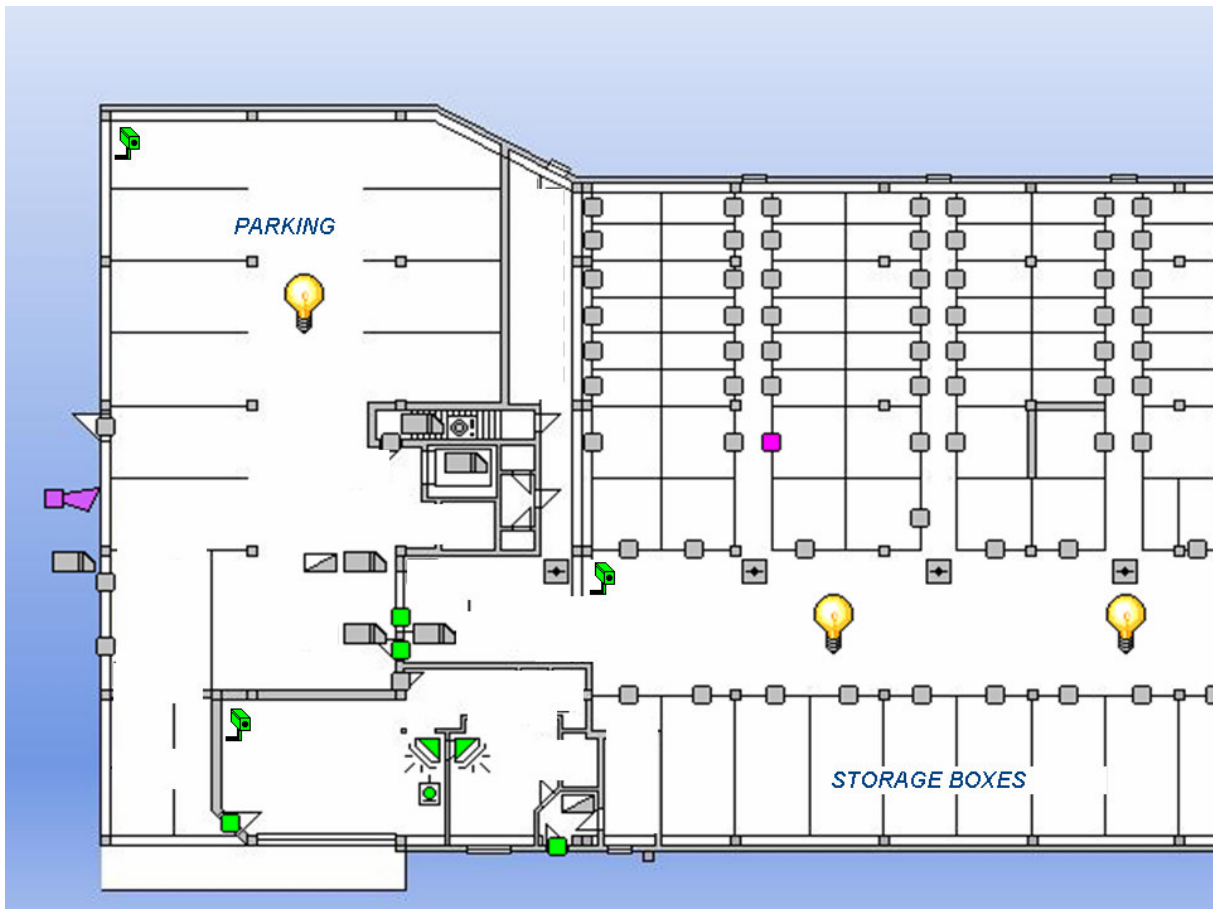
Galaxy Security & Access control system including infra detectors, card readers ...

SIMUX Digital I/O modules to collect all other information from the devices installed and control lighting in the storage

Software Win2003 server, AIViS/WEB + ABI



Picture 1) Layout



Picture 2) Storage monitoring area (halfway view)

### Integration parameters

- Fire alarm, Security, Access Control, Lighting control, HVAC monitoring
- Unauthorized access of a person to foreign storage boxes

There are different states of storage boxes signalized on the screen as shown below:

Legend	
	unattached
	armed
	dissarmed
	unlocked
	bypassed
	long-time dissarmed
	ALARM