

SOMAC Cloud Access Control System

CHIYU Technology

Smart Entry and Exit Management
Solution

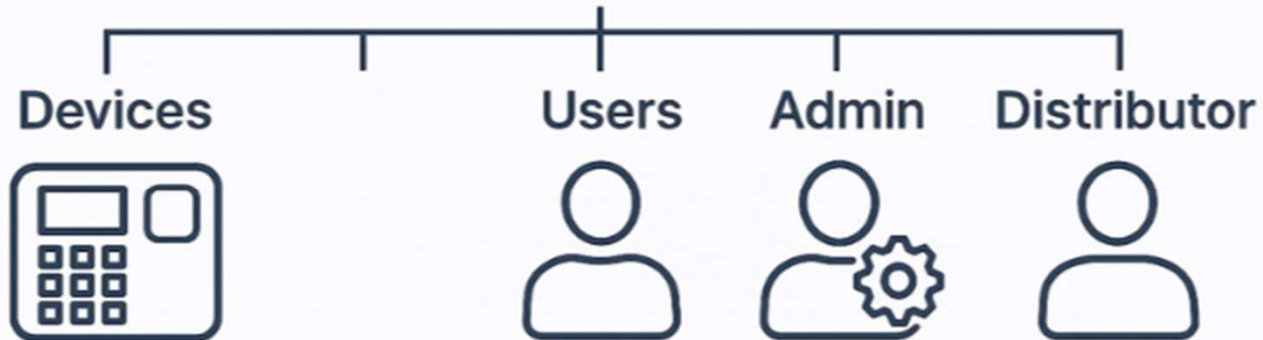
System Overview

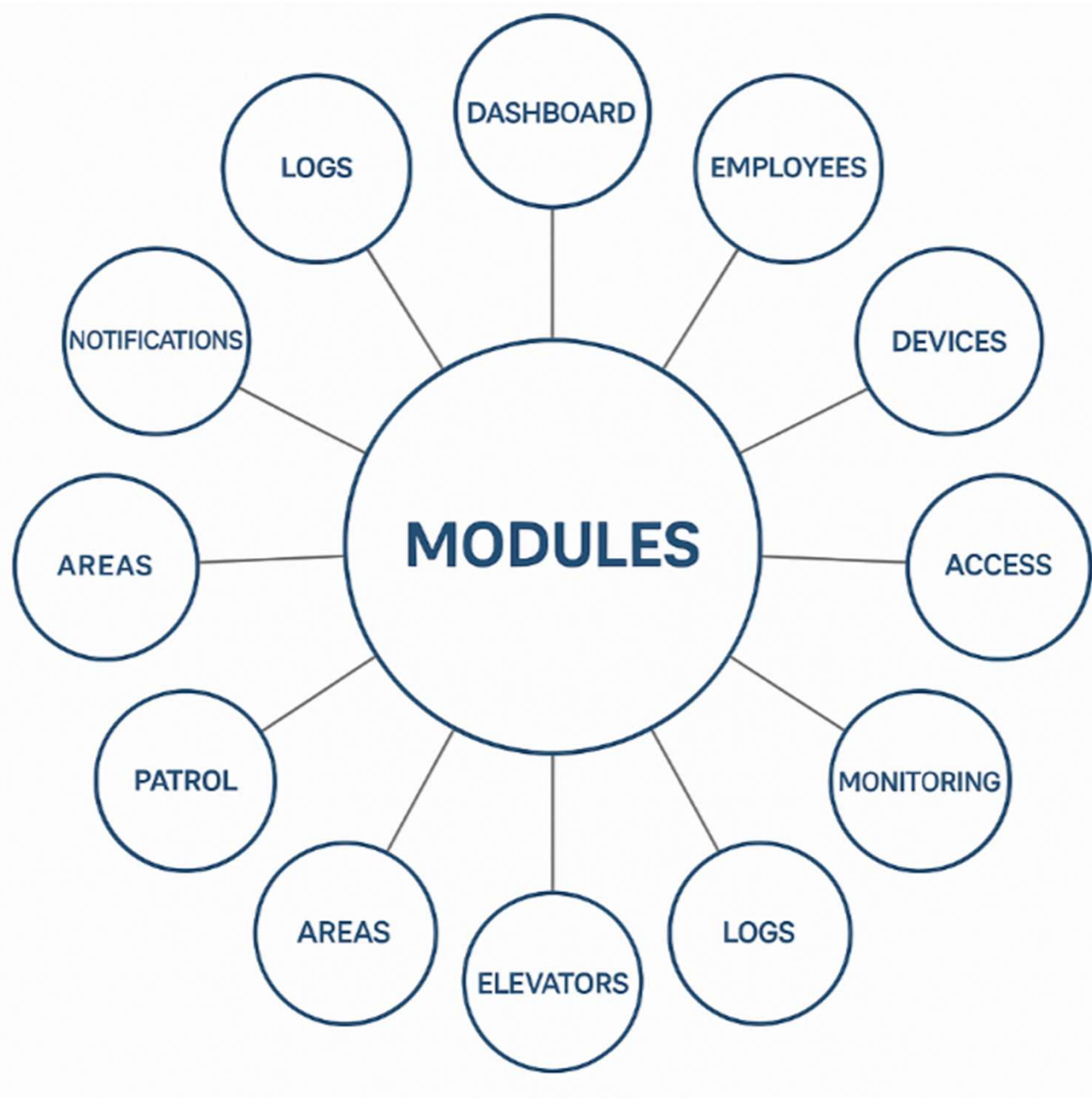
- SOMAC Cloud is a cloud-based access control platform that integrates smart terminals, user management, zone surveillance, reporting, and notifications into a unified system.
- + Modular design for full functional coverage
- + Web-based UI with real-time controls
- + Supports biometric, time-based, and role-based access

CLOUD ACCESS CONTROL SYSTEM ARCHITECTURE



Cloud Server





Dashboard – Realtime device and user summary

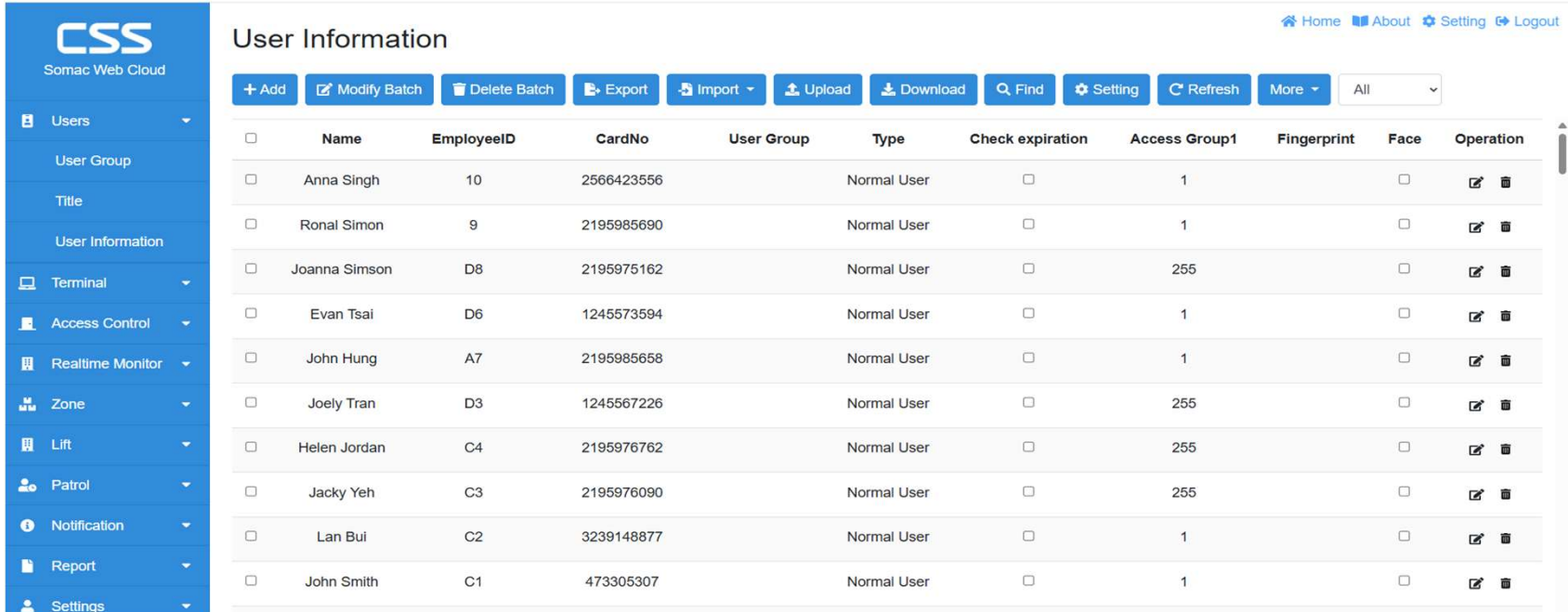
- This dashboard provides an overview of terminal connection status, access activity, employee statistics, and database usage.
- Administrators can quickly assess system health and current operations at a glance.

The screenshot displays the Somac Web Cloud dashboard. The header includes the CSS logo and navigation links for Home, About, Setting, and Logout. A left sidebar lists various system components like Users, Terminal, and Access Control. The main content area features four summary cards: Terminal status (Total amount: 188, Alive: 178, Not Alive: 10), Access Log (Total Today: 18, Users Today: 4, Unnormal Today: 0), User Information (Total amount: 155, Out of date: 0), and Database usage (Type: PostgreSQL, Space Used: 10 MB). Each card includes a 'Go' button for further details.

Terminal	Access Log	User Information	Database
Total amount: 188	Total Today: 18	Total amount: 155	Type: PostgreSQL
Alive: 178	Users Today: 4	Out of date: 0	Space Used: 10 MB
Not Alive: 10	Unnormal Today: 0		

Staff Management Module

- Manage employee profiles including ID, access cards, department assignment, and biometric authentication.
- Supports bulk import/export and configuration of access rights.



The screenshot displays the 'User Information' page in the Somac Web Cloud interface. The page features a blue sidebar with navigation options: Users, User Group, Title, User Information, Terminal, Access Control, Realtime Monitor, Zone, Lift, Patrol, Notification, Report, and Settings. The main content area shows a table of user profiles with columns for Name, EmployeeID, CardNo, User Group, Type, Check expiration, Access Group1, Fingerprint, Face, and Operation. The table contains 12 rows of user data. Above the table, there are several action buttons: + Add, Modify Batch, Delete Batch, Export, Import, Upload, Download, Find, Setting, Refresh, and More. A search bar and a dropdown menu are also present.

<input type="checkbox"/>	Name	EmployeeID	CardNo	User Group	Type	Check expiration	Access Group1	Fingerprint	Face	Operation
<input type="checkbox"/>	Anna Singh	10	2566423556		Normal User	<input type="checkbox"/>	1		<input type="checkbox"/>	
<input type="checkbox"/>	Ronal Simon	9	2195985690		Normal User	<input type="checkbox"/>	1		<input type="checkbox"/>	
<input type="checkbox"/>	Joanna Simson	D8	2195975162		Normal User	<input type="checkbox"/>	255		<input type="checkbox"/>	
<input type="checkbox"/>	Evan Tsai	D6	1245573594		Normal User	<input type="checkbox"/>	1		<input type="checkbox"/>	
<input type="checkbox"/>	John Hung	A7	2195985658		Normal User	<input type="checkbox"/>	1		<input type="checkbox"/>	
<input type="checkbox"/>	Joely Tran	D3	1245567226		Normal User	<input type="checkbox"/>	255		<input type="checkbox"/>	
<input type="checkbox"/>	Helen Jordan	C4	2195976762		Normal User	<input type="checkbox"/>	255		<input type="checkbox"/>	
<input type="checkbox"/>	Jacky Yeh	C3	2195976090		Normal User	<input type="checkbox"/>	255		<input type="checkbox"/>	
<input type="checkbox"/>	Lan Bui	C2	3239148877		Normal User	<input type="checkbox"/>	1		<input type="checkbox"/>	
<input type="checkbox"/>	John Smith	C1	473305307		Normal User	<input type="checkbox"/>	1		<input type="checkbox"/>	

Device Management – Controllers & Terminals

- Monitor and configure connected access control devices such as SEMAC terminals.
- Includes status, firmware version, and remote management capabilities.

CSS
Somatic Web Cloud

Terminal

Home About Setting Logout

+ Add Find DateTime Access Log More Setting Refresh All

<input type="checkbox"/>	TerminalID	Alive State	Name	SerialNo	Model Name	FW Version	Account	Note	Operation
<input type="checkbox"/>	10	<input checked="" type="checkbox"/>		030000	SEMAC	2.45.00			
<input type="checkbox"/>	10	<input checked="" type="checkbox"/>	chiyu-tp	07DDD7	SEMAC-CP322	1.00.030	Cust2,Dist	chiyu-tp	
<input type="checkbox"/>	11	<input checked="" type="checkbox"/>		030001	SEMAC	2.45.00			
<input type="checkbox"/>	12	<input checked="" type="checkbox"/>		030002	SEMAC	2.45.00			
<input type="checkbox"/>	13	<input checked="" type="checkbox"/>		030003	SEMAC	2.45.00			
<input type="checkbox"/>	14	<input checked="" type="checkbox"/>		030004	SEMAC	2.45.00			
<input type="checkbox"/>	15	<input checked="" type="checkbox"/>		030005	SEMAC	2.45.00			
<input type="checkbox"/>	16	<input checked="" type="checkbox"/>		030006	SEMAC	2.45.00			

Access Control – Entry Groups and Time Periods

- Define access groups and control time-based permissions.
- Supports flexible scheduling and restriction setups for secure access control.

The screenshot shows a web application interface for managing 'TimeSet'. On the left is a blue sidebar menu with the following items: Access Control (selected), TimeSet, TimeZone, Access Group, Holiday, Function Key, Function Key Trigger, Upload Para., MultiBadgeID, RingBell, FireAlarm Group, Interlock Zone, Schedule Lock/Unlock, and Antipassback. The main content area is titled 'TimeSet' and includes navigation links for Home, About, Setting, and Logout. Below the title are three buttons: '+ Add', 'Delete Batch', and 'Refresh'. A table displays the current TimeSet configurations:

<input type="checkbox"/>	ID	Name	Time from	Time to	Note	Operation
<input type="checkbox"/>	0	No Time	00:00	00:00	System Default	
<input type="checkbox"/>	1	Any Time	00:00	23:59	System Default	

Monitoring – Electronic Map Layout

- Visualize facility layout and monitor access points in real-time.
- Integrated with access records and device locations for spatial awareness.

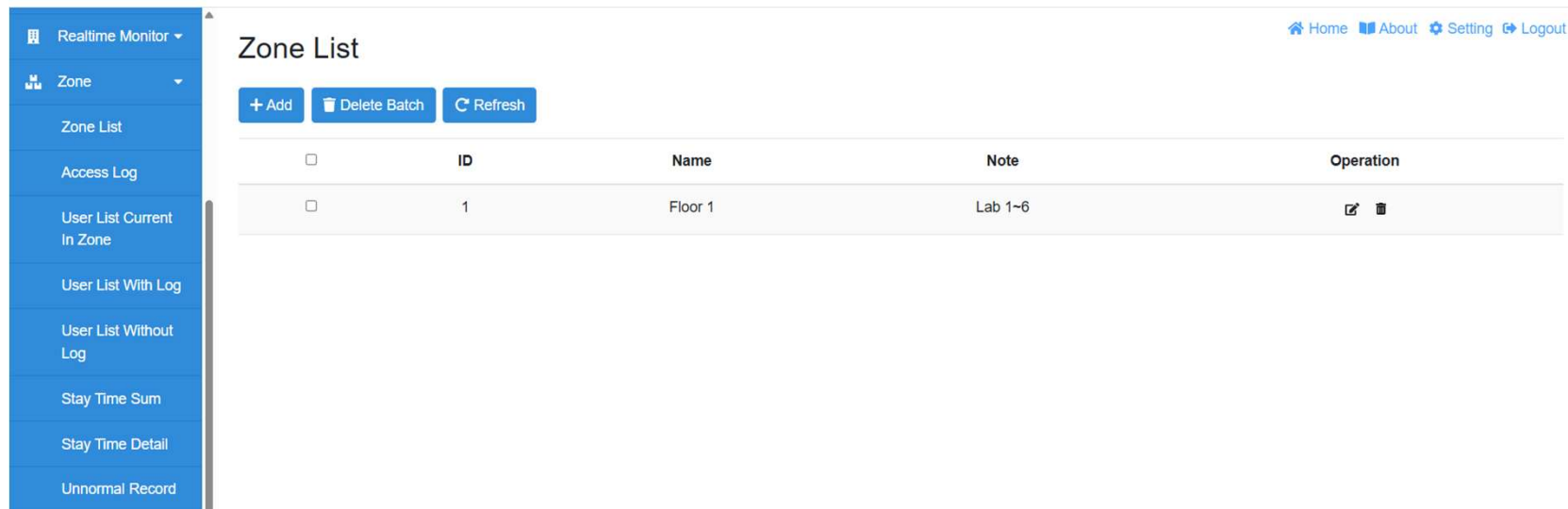
The screenshot displays the 'EMap' interface within the 'CSS Somac Web Cloud' application. The sidebar on the left contains navigation links for 'Users', 'Terminal', 'Access Control', 'Realtime Monitor', 'Realtime Text', 'Realtime Image', and 'EMap'. The main content area features a title 'EMap' and three action buttons: '+ Add', 'Delete Batch', and 'Refresh'. Below these buttons is a table with the following structure:

<input type="checkbox"/>	ID	Name	Note	Operation	Operation
<input type="checkbox"/>	1	B1			Open



At the top right of the interface, there are navigation links: Home, About, Setting, and Logout.

Zone Management – Area Entry Statistics

- Define and monitor security zones.
- Track who is currently inside, historical movement, and time spent in each area.



The screenshot displays a web application interface for Zone Management. On the left is a blue sidebar menu with the following items: Realtime Monitor (with a dropdown arrow), Zone (with a dropdown arrow), Zone List, Access Log, User List Current In Zone, User List With Log, User List Without Log, Stay Time Sum, Stay Time Detail, and Unnormal Record. The main content area is titled "Zone List" and features a top navigation bar with links for Home, About, Setting, and Logout. Below the title are three action buttons: "+ Add", "Delete Batch", and "Refresh". A table below contains one data row:

<input type="checkbox"/>	ID	Name	Note	Operation
<input type="checkbox"/>	1	Floor 1	Lab 1~6	 

Lift Control Module – Elevator Terminal List

- Manage elevator terminal devices with firmware information and online status.
- Enable floor-based access control through integration with access permissions.

The screenshot displays the 'Lift Control Center' interface within the CSS Somac Web Cloud. The left sidebar contains navigation options: Users, Terminal, Access Control, Realtime Monitor, Zone, Lift, Option, User Information, and Lift Control Center. The main content area shows a table of terminal devices with columns for TerminalID, Alive State, Name, SerialNo, Model Name, FW Version, Account, and Note. Two terminals are listed: one with ID 138 and SerialNo 081DEB, and another with ID 2198 and SerialNo 065380. Both are SEMAC models with firmware versions 4.03.00 and 4.02.00 respectively. The interface also includes a 'Lift' dropdown, a 'Refresh' button, and a filter set to 'All'. At the bottom, it shows 'Amount: 2' and 'Total amount: 2' with a blue box containing the number '1'.

<input type="checkbox"/>	TerminalID	Alive State	Name	SerialNo	Model Name	FW Version	Account	Note
<input type="checkbox"/>	138	<input type="checkbox"/>		081DEB	SEMAC	4.03.00		
<input type="checkbox"/>	2198	<input type="checkbox"/>		065380	SEMAC	4.02.00		

Amount: 2 1 Total amount: 2

Patrol Module – Checkpoints and Routes

- Configure patrol points, routes, schedules, and assign personnel.
- Log patrol completion data for accountability and auditing.

The screenshot displays the 'Patrol Point' management interface. On the left is a blue sidebar menu with the following items: Terminal, Access Control, Realtime Monitor, Zone, Lift, Patrol, Patrol Point, Patrol Road, Patrol User Group, Schedule, Patrol Detail Records, and Patrol Sum Records. The main content area is titled 'Patrol Point' and includes navigation links for Home, About, Setting, and Logout. Below the title are four action buttons: '+ Add', 'Delete Batch', 'Find', and 'Refresh'. A table with the following columns is shown: ID, Name, Terminal, Door Index, Note, and Operation. The table is currently empty, with summary text 'Amount: 0' and 'Total amount: 0' displayed below it.

ID	Name	Terminal	Door Index	Note	Operation
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Amount: 0 Total amount: 0

Notification Integration – LINE Alert Setup

- Set up LINE token to receive real-time alerts based on specific system conditions.
- Useful for critical event notifications and administrator updates.

The screenshot shows the 'Email' configuration page in the CSS Somic Web Cloud interface. The left sidebar contains a navigation menu with options: Users, Terminal, Access Control, Realtime Monitor, Zone, Lift, Patrol, Notification, Email, Line, Report, and Settings. The main content area is titled 'Email' and has tabs for 'General', 'Trigger 1', and 'Trigger 2'. The 'General' tab is active, showing the following fields: 'Enable' (checkbox), 'SMTP Server' (text input), 'Port' (text input with '25' entered), 'Mail From' (text input), 'Authorization Needed' (checkbox), 'Account' (password input), 'Password' (password input), 'Mail To' (text input), and 'SSL' (checkbox). A blue 'Save' button is located at the bottom right of the form.

The screenshot shows the 'Line' configuration page in the CSS Somic Web Cloud interface. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Line' and has tabs for 'General', 'Trigger 1', and 'Trigger 2'. The 'General' tab is active, showing the following fields: 'Enable' (checkbox) and 'Line token' (text input). A blue 'Save' button is located at the bottom right of the form.

Access Record Reports – Facial and Card Logs

- Detailed logs of all access events including face recognition and card verification.
- Supports filtering by date, terminal, and employee.

The screenshot displays the 'Access Log' interface. On the left is a blue sidebar menu with the following items: Users, Terminal, Access Control, Realtime Monitor, Zone, Lift, Patrol, Notification, Report, Access Log, User First-in Last-out Log, Visitor Access Log, GuardTour Access Log, System Log, and Settings. The main content area is titled 'Access Log' and includes navigation links for Home, About, Setting, and Logout. Below the title are three buttons: 'Export', 'Delete Batch', and 'Set Format'. The search section contains two date-time input fields (2025-05-25 00:00:00 and 2025-05-25 23:59:59), an 'EmployeeID' dropdown, and a 'Terminal' dropdown. There are also 'Door' and 'Event' dropdowns, and a green 'Find' button. Below the search filters is a table with the following columns: Date Time, EmployeeID, CardNo, Name, User Group, Terminal, Door, Event, InOut, Verification, Temperature, and Captured Image. The table currently shows 'Amount: 0' and 'Total amount: 0'.

User Role Permissions – Module and Terminal Access

- Configure user roles and restrict access to specific modules and terminals.
- Supports department-based permission segregation.

The screenshot displays the CSS Somatic Web Cloud interface. On the left is a blue sidebar with navigation options: Users, Terminal, Access Control, Realtime Monitor, Zone, Lift, Patrol, Notification, Report, Settings, Role, and Account. The main content area is divided into two sections: 'Role' and 'Account'.

Role Management:

ID	Name	Note	Operation
1	Cust1		<input type="checkbox"/>
2	Cust2		<input type="checkbox"/>
3	Dist		<input type="checkbox"/>




Account Management:

Account	Status	Role	TimeZone	Note
admin	Enable		UTC + 8	administra
Cust1	Enable	Cust1	UTC + 8	
Cust2	Enable	Cust2	UTC + 8	
Dist	Enable	Dist	UTC + 8	

Modal Window (Role Detail):

This modal window shows the configuration for a role. It includes a 'Detail' section with a list of modules: +E>User Information, +E*Terminal, +E*Access Control, +E*Realtime Monitor, +E*Zone, +E*Lit, +E*Patrol, +E*Notification, +E*Report, and +E*Settings. There are also sections for 'Terminal' (with 'Enable Limitation' checked and a list of terminals: [1010]CP-102, [1011]CP-202, [1014]CP-322) and 'User Group' (with 'Enable Limitation' unchecked and a list of groups: Office G1, Sales).

Contact & Q&A

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- Looking forward to working with you on customization or integration.