

# Technology Applied



# Creative Tech.

Completely Manned



Traditional Dynamic Artificial Style



Semi-automatic management



develop

# 自動式電子化管理系統

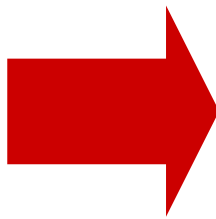


統立開發股份有限公司 Automatically Electronic Management System

# Automatically Electronic Management System

Smartcard-ATM rental system, RFID surveillance of bike situation and location

credit card transaction module



1. Dynamic access to the system of artificial intelligence: Bike Amount Control, which will raise up to 20% of the system efficiency

2. Provide users with information such as bike situation at destination station

3. At the first time provide the shortest route and the traffic state for reference.

4. Immediately report to the information center when accident happens



# Superb Automation Tech. (Unmanned auto-rental stations)

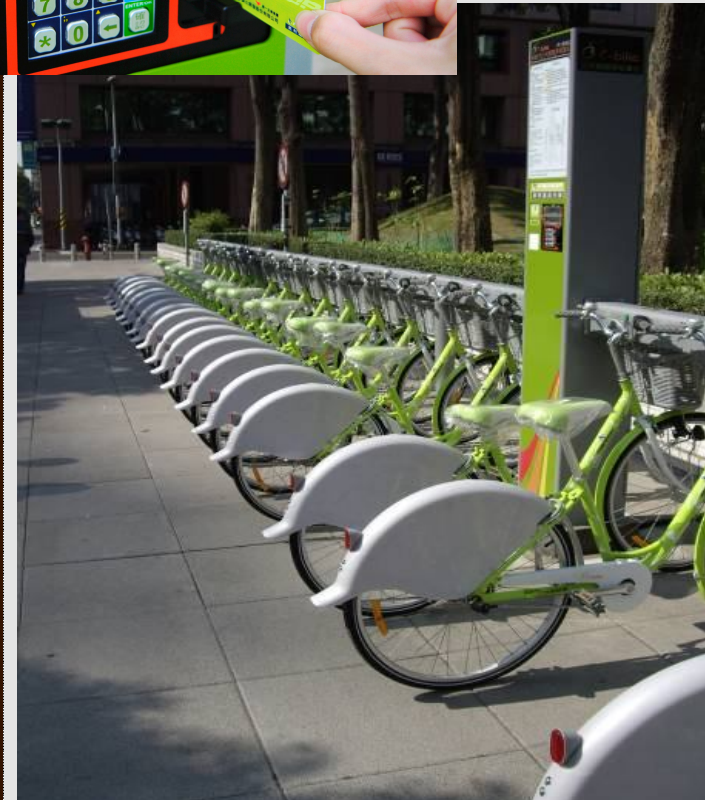
正立面圖 Front Facade

側立面圖 Side Facade



## ◆ ATM (Kiosk)

- Industrial Standard Material, Resistance of Water, Heat. Thermostat, High-brightness LCD
- Self-service rental, showing the balance of stored value, service description, maps, membership information, safety tips.



# Superb Automation Tech. (Unmanned auto-rental stations)

## ◆ Bike Rack

- Industrial Standard Material, Water Resistance
- Fixed and bicycle identification, there are 8-bike set, 16-bike set and 32-bike set. Every Kiosk can control many bikes
- Users can choose bikes according to their needs.



# • Parking Rack and Locking System



RFID chip

Number of parking rack



Parking rack

Locking socket

Button for getting a bike

Locking Light

Hub hole

Locking system:

- RFID chips embedded
- Electronic Switch
- Brake Lines Hub

# Superb Automation Tech. (Features of Rental Station's Design)

- ◆ "One-way" or "two-way" parking
  - ◆ The location of the Kiosk can be placed in intermediate
- Two-way (2x16)



One-way (1x32)



# Superb Automation Tech. (Features of Rental Station' s Design)

c-bike.com.tw

- ◆ All pipelines are put in the rack in order to save time and cost of excavation of land



Pipelines in the rack .



# Superb Automation Tech. (Features of Rental Station's Design)

- ◆ The electric lock keep locking when the power is off, in order to insure the safety of bikes
- ◆ Data transport via GPRS wireless communications. With the offline functionality, even if there is an influx of people at one time, it is a smooth operation. there will be no



# Superb Automation Tech.

c-bike.com.tw

## Manned Station (3-20 stations)

- > Assist the rental operation
- > Support for stored-value card
- > Bike repairing and adjusting
- > Member recruitment



## Electronic information flow

## Temporary Station Holiday Attractions

## Unmanned Automatic Station

(50+)

- > Member's Bike Rental
- > Credit Card Bike Rental
- > Store Value and Information



# Diversified payment instruments

- ◆ Cash, Credit Card, ATM transfer
- ◆ Maximizing Users: Not only members but credit card holders and Debit Card users also can rent a bike



# The Development of Bicycle



# LOGO Design



- ◆ **C-bike** : was originated from “City Bike ”
- ◆ **Means convenient, charming, commute, creative, cool**

**Orange - breakthrough, dedicated service, warm and sincere concern**



**Green - environmentally friendly actions to reduce carbon, declared innovation changed, green transport, riding a feeling of pleasure**



# Voting public bicycle design





◆ Design Description - City of Green Operations



Recommendation Prize	NT 10,000
Transmission	Inside Transmission
Bike Frame	Aluminum Alloy
Frame Size	26*15"L
前/後花鼓	Aluminum Alloy/ SHIMANO
wheel rim	TM-19 Aluminum Alloy
basket	High elasticity, non-deformation
Reference weight	14.12kg

# Bikes Provided by World-renowned Bicycle Factory

Passed national security certification

Avoid rust: aluminum alloy body

Reduce the failure rate:

Variable-speed system with simple operation, easy maintenance

Improve riding comfort

26-inch diameter wheel, low cross-point cushion which is moderate for both men and women, store basket



Improve security:

Anti-demount design, dynamo powered lamp, Reflective devices, security locks, bell

Increase recognizability

Special accessories, unique design and color

# Bicycle Details



◎High flexibility basket



◎Variable-speed system controller



◎dynamo powered lamp



◎security locks



◎variable-speed system



◎bicycle bell

# Special Marks and Facilities- Easy to Identify

C-bike Name



C-bike  
logo



Brand  
Trademark



Anti-UV Plastic  
Mud Avoidor



# Number System – Easy to Manage and Identify

RFID Chip  
Number



Security Lock  
Number



Bicycle  
Serial  
Number



Frame  
Branded  
Coat



# Bike Photo



Advertisement Inviting

## Advertisement Example

