MONE S&C INTRODUCTION

2018. 01

MONE S&C

MONE S&C Co.,Ltd.

CONTENTS

1. Establish Mone Cctv In 2008(private Company)

   -> Transform Into Incorporated Company In Dec. 2010

2. Granted 2 Patent(korea) , Iso9001 , Certificate Of Venture Business(korea)

3. Honeywell(korea) SALE AGENT, Zpmc(china) COOPERATIVE COMPANY,

   GS Neotek Cooperative Company

4. Security Integration System, CCTV System Design& construction, Camera Develop, Produce

5. Wearable surveillance system, Solar raise pavement marker R&D

6. Design and construct security system for port, Government facility, plant areas such as

   refinery, gas, power plant.

Business world

Video surveillance for industrial facility

Power plants, steelworks, industrial complexes,
oil refineries, ports, military facilities,
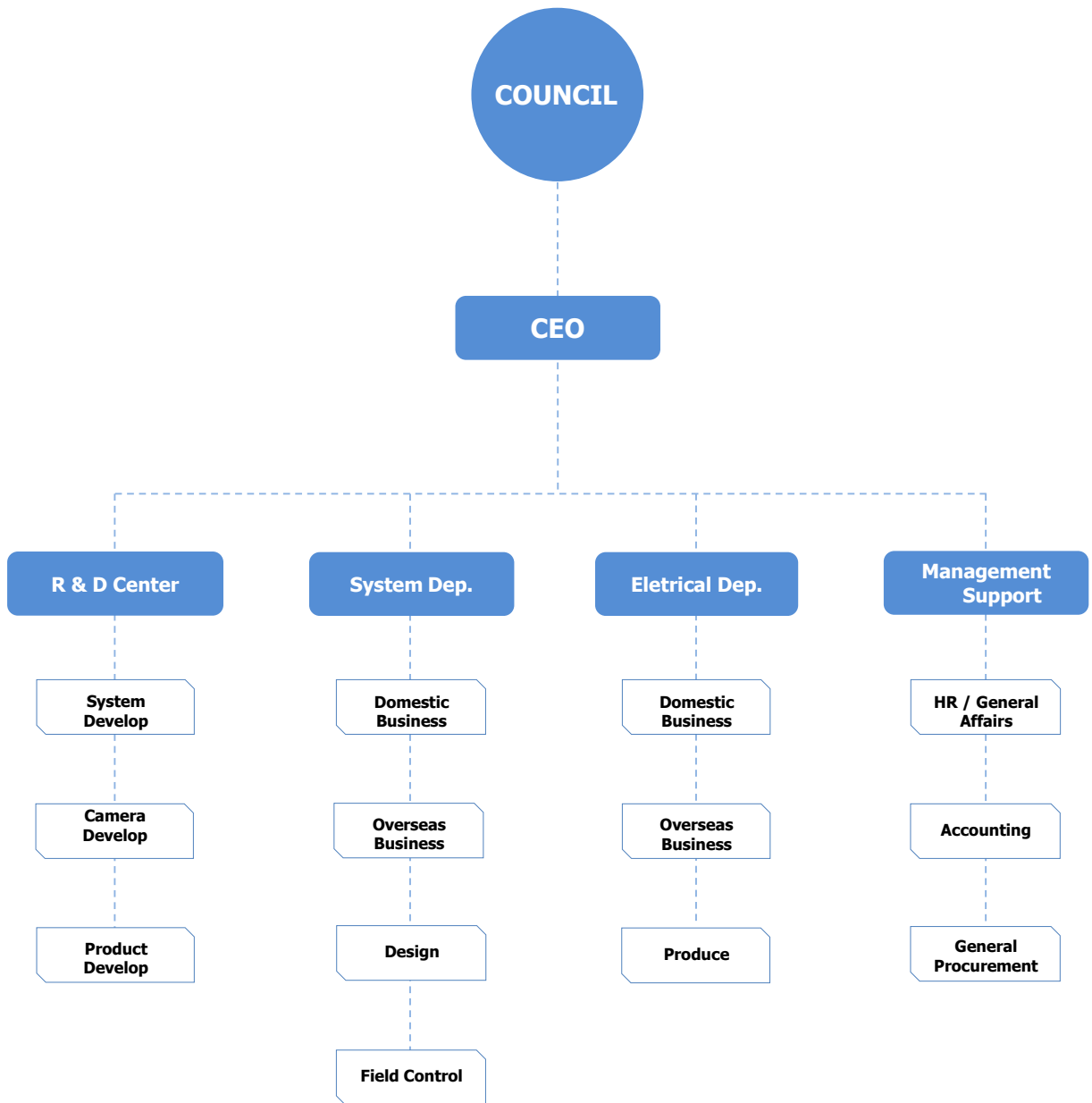Coast Guard, Other "A" class facilities, etc.

Integrated security system business

Residential living complex, city security crime
prevention, Park, public institution, local
government, education facility, etc.

Value Creation for Customers

Company trusted by customer satisfaction

Providing substantial value

Creation through passion and challenge spirit

Social Enterprise

MONE S&C

Human-centered value creation

Creativity and autonomy of members

Talented and competitive companies

Management of human respect

COUNCIL

CEO

R & D Center	System Dep.	Eletrical Dep.	Management Support
System Develop	Domestic Business	Domestic Business	HR / General Affairs
Camera Develop	Overseas Business	Overseas Business	Accounting
Product Develop	Design	Produce	General Procurement
	Field Control		

1. MONE S&C INTRODUCTION

● Security Integration System

IP System   Coaxial Full HD System   Support System Design

● Industrial Security System

Explosion-Proof & Thermal   Panomera System   Solar Road Stud   Wearable System

2. MONE S&C SOLUTION

▌ S.I System – IP SYSTEM

4K UHD ULTRA HD

Indoor/Outdoor Dome Camera

4K, 2.7-12mm Auto Focus,
IR LED, BLC, PoE, IP66

4K UHD ULTRA HD

Outdoor Housing Camera

4K, 2.7-12mm / 6-50mm
Auto Focus, IR LED,
BLC, IP67, PoE, Junction Box

4K UHD ULTRA HD

4K NVR

Linux OS, Storage Type NVR,
Max 96TB HDD(Expandable),
VMS S/W, MMS S/W

STARVIS

Outdoor Integrated Housing

2M Pixel, H.264, 5-50mm(10x)
Auto Focus Lens, Integrated housing,
IR Camera, IP66

STARVIS

Positioning Camera

2M Pixel, H.264, 30x Zoom, IP66,
Auto Focus Lens, Integrated housing,
IR Camera, Floodlighting(Option)

STARVIS

Ultra Low Light IR PTZ Camera

2M Pixel, H.264, 30x Zoom, Auto
Focus Lens, Integrated Housing
IR, Wiper, IP66

PTZ Camera

2M Pixel, H.264, 20x/30x Zoom,
Auto Focus Lens, Integrated In/Outdoor
Housing, IP66

● **Advanced NVR Solution**

Full HD 4/9/16 Channel PC NVR
Linux OS, VMS

● **Enterprise NVR Solution**

Full HD 16/25/36/49/64/81 Channel,
HD 100Channel PC NVR
(Storage Type), Expandable ,VMS

✓ **Smoke/Fire Detect Function**
    ; Fix a Specific Channel
✓ **Detect & Recording Elevator**
    Operating
        ; Detect "Call & Operating" and
Start
        Recording and Display floor
✓ **Vehicle movement tracking in the**
    Zone
        ; Cognize Car Number and tracking

Video Server

Fiber optic Link & Convertor

2. MONE S&C SOLUTION

■ S.I System – FHD System with Coaxial Cable (AHD / CVI / TVI / HD-SDI / EX-SDI)

Indoor/Outdoor Dome Camera

2M Pixel, Full HD, Fixed/Varifocal Lens,
IR LED, BLC,
Multi Video Signal Output

Outdoor Housing Camera

2M Pixel, Full HD, Fixed/Varifocal Lens,
IR LED, BLC, IP67, Multi Video Signal
Output

Positioning Camera

2M Pixel, Full HD, 30x Zoom,
Auto Focus Lens, Integrated housing,
IR Camera, Floodlighting(Option)

Outdoor Integrated Housing

2M Pixel, Full HD, 5-50mm(10x)
Varifocal Lens, Integrated housing
IR Camera, IP66

PTZ Camera

2M Pixel, Full HD, 10x/20x/30x Zoom,
Pan 360°, Tilt 90°, Multi Video Signal Output
Integrated In/Outdoor Housing, IP66

IR PTZ Camera

2M Pixel, Full HD, 20x/30x Zoom,
Pan 360°, Tilt -20°~90°, Integrated
In/Outdoor Housing , IP66

MMX3 Series

4/8/16Channel Entry (2HDD Bay)
1080P/30fps, H.264, VMS S/W,
Multi Video Signal Input / Output

MDX6 Series

4/8/16Channel Standard (3HDD Bay +DVD)
1080P/30fps, H.264, VMS S/W,
Multi Video Signal Input / Output

MHP6 Series

16CH Deluxe (6HDD Bay +DVD)
1080P/30fps, H.264, VMS S/W,
Multi Video Signal Input / Output

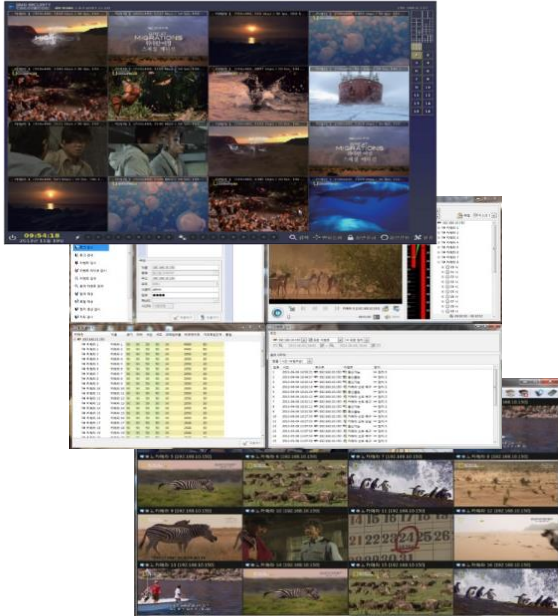● Installation Device

Portable Monitor

Repeator

Transmission

Matrix Switch

2. MONE S&C SOLUTION

▌ S.I System – S/W

Max 256,000 Camera Connect possibility (256 x 100CH)

Max 16 Channel Full-HD(1920x1080p) Monitoring

VNC Access Mode for Remote Control Feature

Event Based Live Monitoring Mode Feature

Self System-Diagnostic Status Monitoring Feature

Remote Search/ Back-up(Manual, Reserve) Feature

Event-based intelligent programming Feature

Send alert Voice Message to multiple sites

Change Camera Set-up

E-map Feature

PTZ Control

Dual Monitoring

Alarm / Pop-up Event

GD VMS Server Requirement	
CPU	Above Intel i3 Core Processor (Recommend i7-3770 or Higher)
MEMORY	Above DDR2 4G (Recommend 16G)
HDD	SSD
NETWORK	Min. 100Mbps

○ E-map screen is operated as a separate screen window for systematic and efficient monitoring.

○ To better understand the situation, the security manager can configure the event pop-up window and event live window separately from the E-map screen.

○ Search and Back-up Function when Event, Alarm occur.
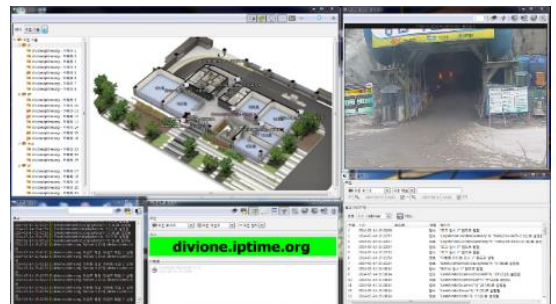
2. MONE S&C SOLUTION

▍Industrial Security System – Explosion-Proof Type, Thermal

- This product is explosion-proof and dustproof type, made of stainless steel.
- It is suitable for use in areas where is explosive gas such as petroleum refining, chemical synthesis plant, power plant, or where there is a high possibility of danger.
- The product configuration is consists of a 200-megapixel 20x / 30x zoom IP camera and a thermal imaging camera to suit the installation environment and purpose.
- You can monitor wherever the administrator (user) needs without blind spots.

Dual Type

Single Type

Speed Dome Type

▪ Function

- EX Proof Grade : Ex d ll C T6 (KCs, ATEX)

- 2M Pixel / 1920*1080 / 30fps

- IR Distance : 100M

- 20X Optical Zoom and 12X Digital Zoom

- Network (IP) Type, Analog Type available

- SUS316L

- Dust/Water Proof : IP67

Dual Type(Themal+Visual) Real Screen

▪ Application

**Oil-refining facility** **Power Plant** **Steelworks Facility** **Ship & Vessel**

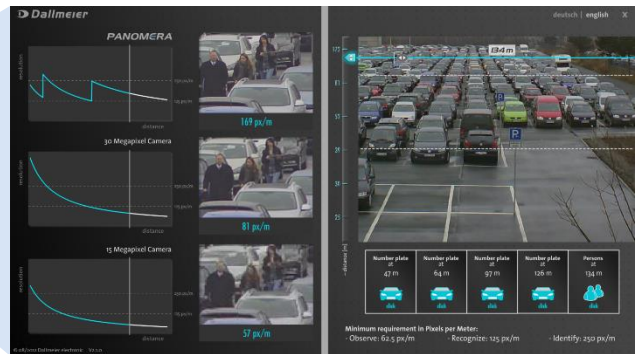## Industrial Security System – Panomera® System

- This product improved the disadvantages of existing PTZ camera and positioning camera. It is possible to individually monitor a large number of subjects for a wide area area. It can be displayed at a high esolution of up to 720p at the partial enlargement. As a fixed product, there is no wear or breakdown of driving motor or accessories. Long-term stable operation is possible, It is suitable for wide area surveillance where many cameras, such as stadiums, airports, harbors, wildfire surveillance, coast guard, etc., must be installed.

Multiple users can be individually monitored	High detailed resolution at distant zoom.
Continuous permanent recording for all areas.	Multicast support, up to 30fps
Fixed mechanical design.	Sharp image even in partial enlargement.
Extensive auto-tracking.	Easy installation and easy maintenance.
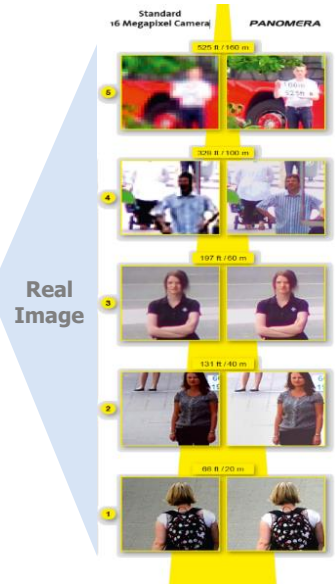
Real Image

Real Image

Real Image

2. MONE S&C SOLUTION

Industrial Security System— SOLAR ROAD STUD

- Minimize the protraction.
- Minimize the damage in snow removing work and road repairing work.
- Front, read and side, Omnidirectional lighting
- Good visibility of nighttime and Increase in traffic safety.
- Special schematic design of 5~7day runtime in winter or the rainy season.

- Changable inner module, Easy maintenance
- Possible to arrangement of LED color, amount and location.
- Load test(DB24), Heat-resistance test pass.
- Good water proof : Double water resistance case design and water proof material Injection.

Division		
LED Type	Super luminosity LED	
Direction of lights	Omni direction (Front, rear and side)	Front and rear
Visibility	More than 400m	More than 200m
Solar & Battery	DC4.2V 100mA, LiFePO4 Battery(DC3.2V 1500mA)	DC4.2V 60mA, LiFePO4 Battery(DC3.2V 1000mA)
Luminous day	1charge, 8day lighting, [max.10day(8hr. standards)]	1charge, 3day lighting, [max.10day(8hr. standards)]
Operating Temp.	20℃ ~ 60℃	
Material	Aluminum die-casting, Polycarbonate	
Waterproof / weight tolerance	IP67 / Over 30 ton	IP67

Differentiating existing products and their products

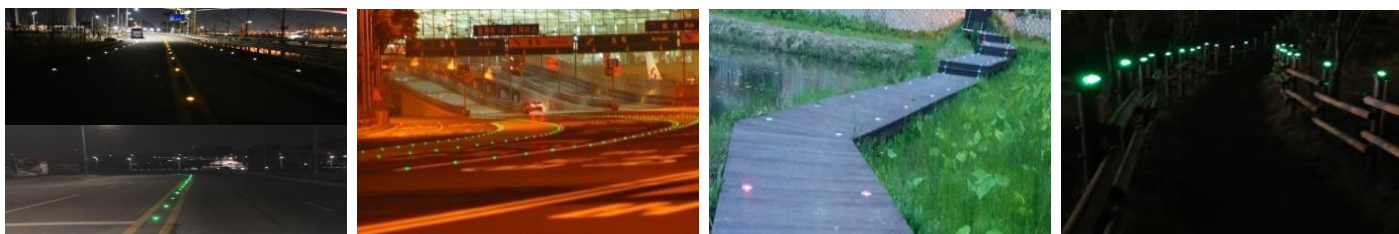**MONE Product**   **Existing product**

360° (Omni direction)   Unidirectional (directivity)

MONE Product   **Existing product**

Installation pictures

2. MONE S&C SOLUTION

Industrial Security System - Wearable System

▪ This product is equipped with a helmet and a earphone attached to the ear of the human body. It records real-time situation of the user's movement and forward and transmits real-time backup through Smartphone (WiFi, LTE network) It is suitable for use by firefighters such as special missionaries, occupational groups, leisure and sports enthusiasts.

Realtime & Wireless Backup

Unlimited coverage

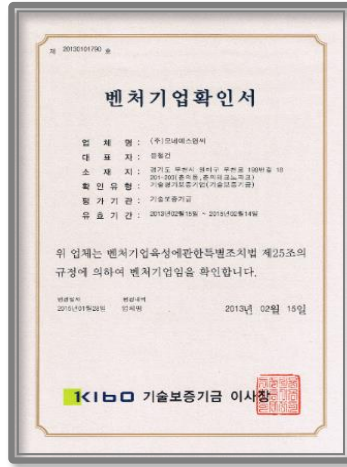|		
Large ship work place	The scene of a fire	In flagrante
High altitude work site	Mountain rescue site	Other local and local sites
Wide construction site	Sewer work site	Narrow, sealed workspace
Dispatch of a commando	Illegal fishing vessel	Leisure Sports and Leisure Activities

3. PATENT & CERTIFICATES
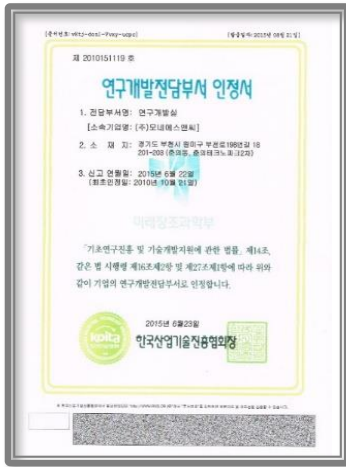
Licenses & Certifications

Business Registration

Venture Business Confirmation
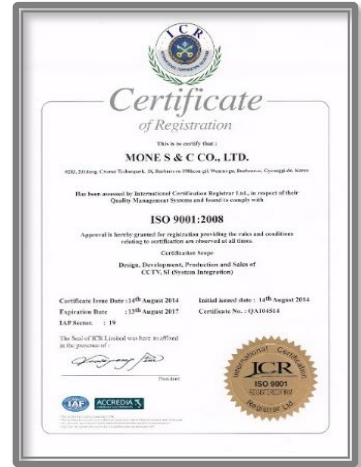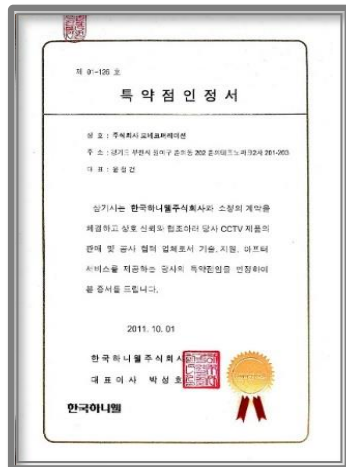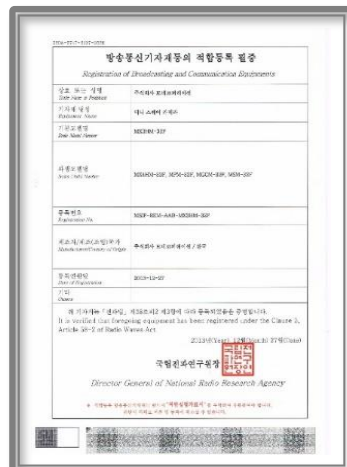

ISO9001 certification

R&D Center

Patent certificate
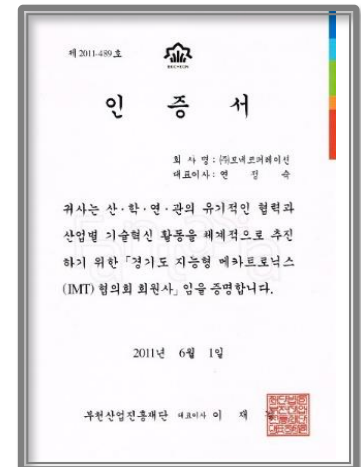

S/W Program certification

Global Honeywell Dealer Certificate
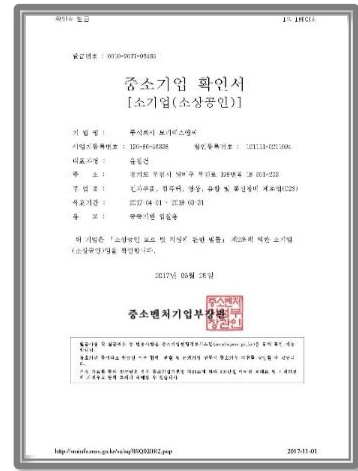

KC certificate

BIPF Members
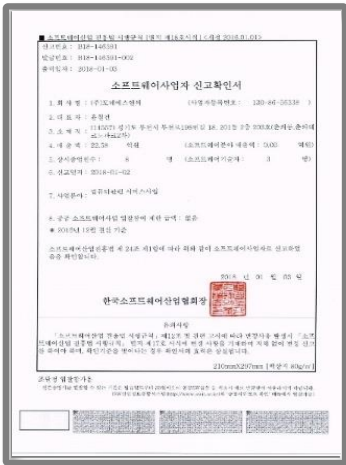
■ **Licenses & Certifications**
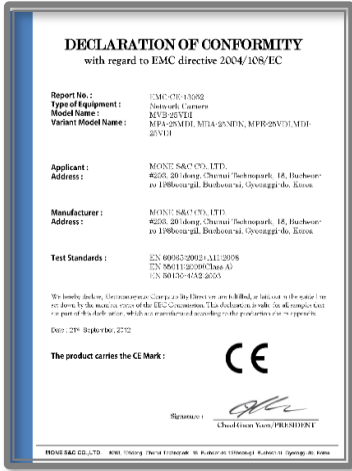
CE certification

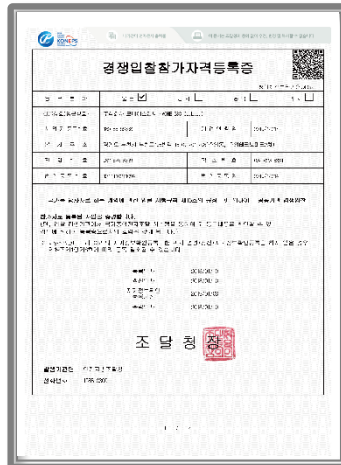Certificate of direct
production confirmation

medium and small-sized
enterprises

S/W operator notification form

Government procurement
qualification

4. DELIVERY PERFORMANCE

References

Client	Business year	Project name
GS E&C	2009	Aromatics Oman LLC, EXP CCTV System Construction (OMAN)
Cheonan-city, Chungnam	2009	Illegal parking monitoring CCTV system Construction
Mapo-gu, Seoul	2009	Illegal parking monitoring CCTV system Construction
Ministry of Land, Transport and Maritime Affairs	2009	4 Large River PJT Facility Monitoring CCTV System Construction
Songpa-gu, Seoul	2010	Public Anticrime CCTV System Construction
Jeonbuk Iksan Regional Management Office	2010	Facility Security CCTV System Construction
Cheonan-city, Chungnam	2010	Public Anticrime CCTV System Construction
Ansan-city, Gyeonggi-do	2010	Public Anticrime CCTV System Construction
Suwon-si, Gyeonggi-do	2010	Public Anticrime CCTV System Construction
Yongsan-gu, Seoul	2010	Anticrime Security Integrated CCTV System Construction
Dong-gu, Daejeon	2010	Anticrime Security Integrated CCTV System Construction
Daedeok-gu, Daejeon	2010	Anticrime Security Integrated CCTV System Construction
Hyundai / Kia Motors	2010	Global Processing Centre. Construction
Ulsan Airport	2010	Video Surveillance CCTV System Construction
LG BOTIAN Chemical	2010	LG Tianjin China EXP CCTV System Construction (CHINA)
Woongjin Polysilicon	2011	Woong-Jin Poly-Silicon EXP CCTV System Construction
GM DAEWOO	2011	Factory Automation System Monitoring System Construction
Hyundai Steel	2011	Hyundai Steel Dang-Jin 50,000T Facility Dock Access Control System Construction
Ssangyong Construction	2011	Tower crane Wireless CCTV System Construction
Lotte Construction	2011	Tower crane Wireless CCTV System Construction
Samsung Total	2011	Samsung-Total Dae-San Factory EXP CCTV System Construction
Suwon-si, Gyeonggi-do	2012	School Zone Monitoring CCTV System Construction
Busan New Port Co., Ltd.	2012	Crane CCTV System Localize
Hyundai Mobis	2012	CCTV System Construction
ABB (SWEDEN)	2012	Crane CCTV System Construction

4. DELIVERY PERFORMANCE

■ **References**

Client	Business year	Project name
ABB (SWEDEN)	2012	Crane CCTV system purchase installation
ZPMC (CHINA)	2012	STS Crane CCTV System Purchase Installation
CJ Cheiljedang	2012	CJ Malaysia Biotechnology factory CCTV purchase and installation (MALAYSIA)
ABB (SWEDEN)	2013	Purchase and installation of crane monitoring system for Incheon New Port
ZPMC (CHINA)	2013	Purchase and installation of crane monitoring system for Incheon New Port
Seikon	2014	KPX Daesan plant explosion-proof CCTV system purchase and installation
Samil Data Systems	2014	M7B air conditioning, gas CCTV system purchase installation
Eland	2014	Purchase and installation of CCTV system in Cheonan Logistics Center
Kolon Benit Co., Ltd.	2014	IP Speed Dome CCTV Delivery Contract
Ssangyong Motor Co., Ltd.	2014	Pyeongtaek plant CCTV system purchase and installation
Hanwha Energy Co., Ltd.	2014	Purchase and installation of CCTV system in Yeosu factory
Paju-city, Gyeonggi-do	2014	Purchase and installation of CCTV CCTV system in Paju Tanzan sewage treatment plant
GS E&C	2014	Saudi Arabia Rabigh II CP3 & 4 Factory CCTV System Purchase and Installation (KSA)
GS E&C	2014	Saudi Arabia Rabigh II UO1 factory CCTV system purchase installation (KSA)
S1	2015	Purchase and installation of CCTV system in Vietnam Samsung Electronics factory (VIETNAM)
BNCT	2015	I & K New Port CCTV System Purchase Installation
ABB (SWEDEN)	2015	Incheon Container Terminal CCTV System Purchase Installation
ZPMC (CHINA)	2015	Incheon Container Terminal CCTV System Purchase Installation
ABB (SWEDEN)	2015	Busan New Port International Terminal CCTV System Purchase and Installation
ZPMC (CHINA)	2015	Purchase and installation of new container terminal CCTV system in Busan New Port
Suwon-si, Gyeonggi-do	2015	Suwon City Library CCTV system purchase and installation
Sejong Special Autonomy City	2015	Purchased CCTV system in Sejong City
Seongnam-city, Gyeonggi-do	2015	Purchase and installation of CCTV system in Bongjeong-dong water purification plant in Seongnam city
KOSCOM	2015	National Bank Association Anyang Center CCTV System Purchase and Installation

4. DELIVERY PERFORMANCE

References

Client	Business year	Project name
Yeoju City, Gyeonggi-do	2016	Yeoju gold sand camping site purchase CCTV system installation
Orion	2016	Purchase of CCTV system of Orion Ansan factory
GS E&C	2016	Purchase of Saudi Arabia Rabigh II Warehouse CCTV System
Hanhwa Total	2016	Hanwha Total Daesan Factory access control system purchase and installation
Yeoju City, Gyeonggi-do	2016	Purchase and installation of Yeoju Heungchon Reservoir CCTV System
Yeoju City, Gyeonggi-do	2016	Yeoju environment monitoring CCTV system purchase and installation
GSI	2016	Gwangyang Port STS Crane CCTV System Purchase Installation
㈜HONEYWELL	2016	Uzbekistan Kandym Gas Pipeline Security System Engineering (UZBEKISTAN)
㈜HONEYWELL	2017	Boryeong LNG site CCTV system purchase and installation
Ii' Controls	2017	Jeju Island Korean Peninsula Hotel New CCTV & Access Control Purchase Installation
KOSCOM	2017	Expansion of CCTV system of Anyang center of National Bank Association
ZPMC (CHINA)	2017	Purchase and installation of Gwangyang only crane monitoring system
Yeoju City, Gyeonggi-do	2017	Purchased CCTV system for security crime prevention in village
National Medical Center	2017	Establishment of crime prevention CCTV system establishment business
Cheongju-city, Chungcheongbuk-do	2017	Osong Sewage Treatment Plant CCTV Replacement Project
Korea Water Resources Corporation	2017	Purchase of CCTV system of Hoengseong Dam management team
National Masan Hospital	2017	Facility method and access control system construction business

Thank You