



CIMON-PLC | CIMON-HMI | CIMON-TOUCH | CIMON-Xpanel



Company Profile

We are never satisfied by the current technologies.

We continue striving for development and improvement of our products.

We also commit our best endeavors to be the top-most technologies in the industrial automation fields.

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Company name : KDT Systems Co., Ltd.

Date of establishment : May 17, 1999

CEO : Dr.Ahn, Jae-Bong.

Business Fields| HMI Software, PLCs, RTUs, Industrial Computers

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ISO 9001 certified



Message from CEO

KDT Systems is a company presenting total solutions for industrial automation field.

All our engineers have the specialty in these fields and their technologies are based on the long-term experience in the automation field since 1988. We have been contributing to develop variety of software and controllers, especially for the automation system since our establishment in 1997.

Under CIMON brand, we are focusing on six major automation business fields: CIMON-PLC provides basic controller solution for automation. CIMON-HMI is a MS-Windows based Supervisory control and data acquisition (SCADA) system, CIMON-PPC/IPC provides industrial computer solutions that are based on IBM-PC architecture, CIMON-TOUCH/Xpanel provides graphic display touch-panel interface, FRTUs are the core of the electric power distribution system (DAS), and system engineering services for electric power stations, semiconductors, water processing, and so on.

We wish you could get proper solution that you have wanted with CIMON, and we will continuously do our best endeavors for your contentment.

Thank you very much.

KDT Systems Co., Ltd. CEO Ahn, Jae-Bong

Major Business History

1992~2000 Develop Scadas

Launched the Win 95/98NT-based industrial automation software packages (CIMON) in the marketplace
Launched the UNIX-based industrial automation software packages (ExtraVox) in the marketplace
Developed the RTUs for electric power distribution

2001 Changed the company name to KDT Systems Co., Ltd.

Launched CIMON-PLC in the marketplace (CP Series)
Launched CIMON-PC in the marketplace

2002 Obtained ISO 9001 Certificate

Launched CIMON-IPC in the marketplace
Launched CIMON-RF RTU in the marketplace

2003 Launched CIMON-TOUCH in the marketplace

Obtained CE and UL certificates for CIMON-PLC

2004 Launched CIMON-RIO in the marketplaces

Launched Block-type CIMON-PLC in the marketplace (BP Series)
Obtained UL certificate for CIMON-TOUCH

2005 Launched CIMON-Xpanels in the marketplace



Issued by : Superintendent of Dong-Suwon Region Tax Office
 Issued on : Nov. 15, 2001
 Certificate : Certificate of business registration



Issued by : Director of Technology Standard Center of Ministry of Industry and Resources
 Issued on : May 30, 2003
 Product : CIMON PLC
 Certificate : Certificate of new technology of Korea



Issued by : Automation Control Board Association of Korea
 Issued on : Dec. 14, 2001
 Certificate : Membership certificate of the association



Issued by : Administrator of Public Procurement Service
 Issued on : Oct. 30, 2003
 Product : CIMON PLC
 Certificate : UL



Issued by : Korea Standard Association
 Issued on : Feb. 23, 2002
 Certificate : Quality operation system certificate



Issued by : Underwriters Laboratories Inc.
 Issued on : Jul. 18, 2003
 Product : CIMON PLC
 Certificate : Certificate of good product



Issued by : Director of Gyeonggi-Do Region Small and Medium Business Administration
 Issued on : May 21, 2003
 Certificate : Certificate of venture business



Issued by : Director of Technology Standard Center of Ministry of Industry and Resources
 Issued on : Oct. 20, 2003
 Product : CIMON HMI
 Certificate : Certificate of model compliance for international standards of industrial software (V1.7)



Issued by : Minister of Industry and Resources
 Issued on : Jul. 19, 2001
 Product : CIMON PLC
 Certificate : Certificate of industrial products of good design



Issued by : Director of Technology Standard Center of Ministry of Industry and Resources
 Issued on : Apr. 22, 2004
 Product : CIMON HMI
 Certificate : Certificate of model compliance for international standards of industrial software (V1.8)



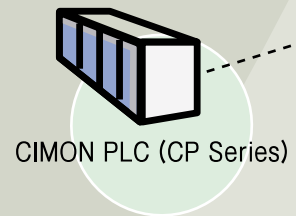
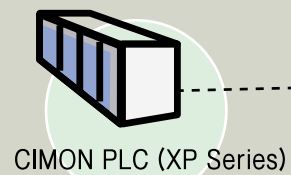
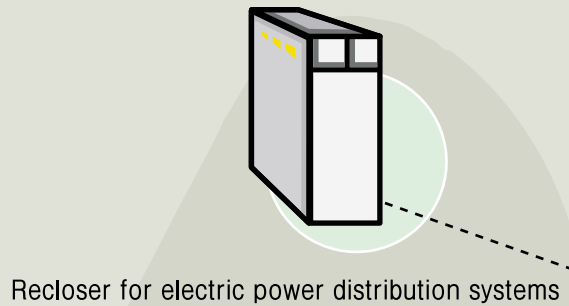
Issued by : EMOKR/Kmr
 Issued on : Feb. 19, 2003
 Product : CIMON PLC
 Certificate : CE



Issued by : Director of Technology Standard Center of Ministry of Industry and Resources
 Issued on : May 30, 2003
 Product : CIMON TOUCH
 Certificate : Certificate of new technology of Korea



System Controller



KDT System Product Line-Up

Supervisory Systems | Software control panel graphic displays for integrated control of process and systems

HMI software (web, SMS services)
PDA
IPC/ PPC
TOUCH/XPanel

System Controllers | Process and system controllers
distribution system controllers

PLCs(XP/ CP Series)
Recloser for electric power distribution system(DAS)

Device Controllers | Unit device controllers

PLCs (BP series)
RIO (Remote I/O)
FRTU (elevated/underground models)

Total Solution For Industrial Automation

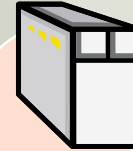
Device Controller



CIMON PLC (BP32M)



CIMON PLC (BP16M)



RTU (elevated/underground models)



CIMON RIO



ACS



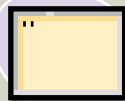
PDA



SMS



IPC/PPC



Touch

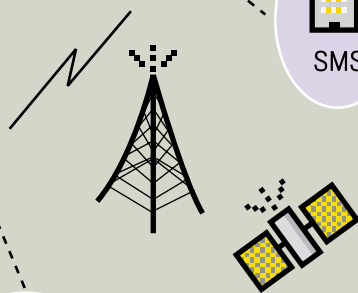


Xpanel



HMI Software (SCADA)

Supervisory System





CIMON-PLC

Total Solution for Industrial Automation



PLC Application Systems

PLC (Programmable Logic Controller) sphere

CIMON-PLC was developed with long-term experiences in automation fields. The product interfaces with various sub-devices such as sensors, controllers, motors, and controls the process equipment. It plays the role of 'brain' in various industrial sites.

■ Features

- Provides various network solutions
- Compact design accommodating advanced functions and high performance
- Reduction of command execution cycle by mounting high-speed ASIC
- Easy base extension through high-speed serial communication technology
- Excellent compatibility between PLC series (I/O module, ladder program)

■ Modular PLC: XP series

Model for large systems supporting high speed processing, floating point operation and redundant configuration of PLC systems and networks

■ Modular PLC: CP series

Model appropriate for middle-size systems supplying rich network solutions by making use of compact and space-saving design PLC

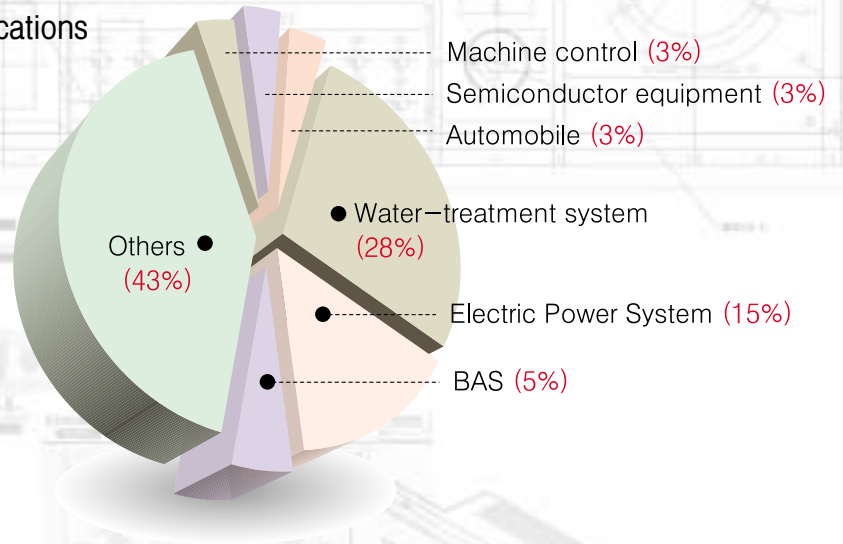
■ Block-Type PLC: BP series

Model for small relay control system replacement delivering the highest processing speed, and ethernet communication capability

■ Remote IO: RIO series

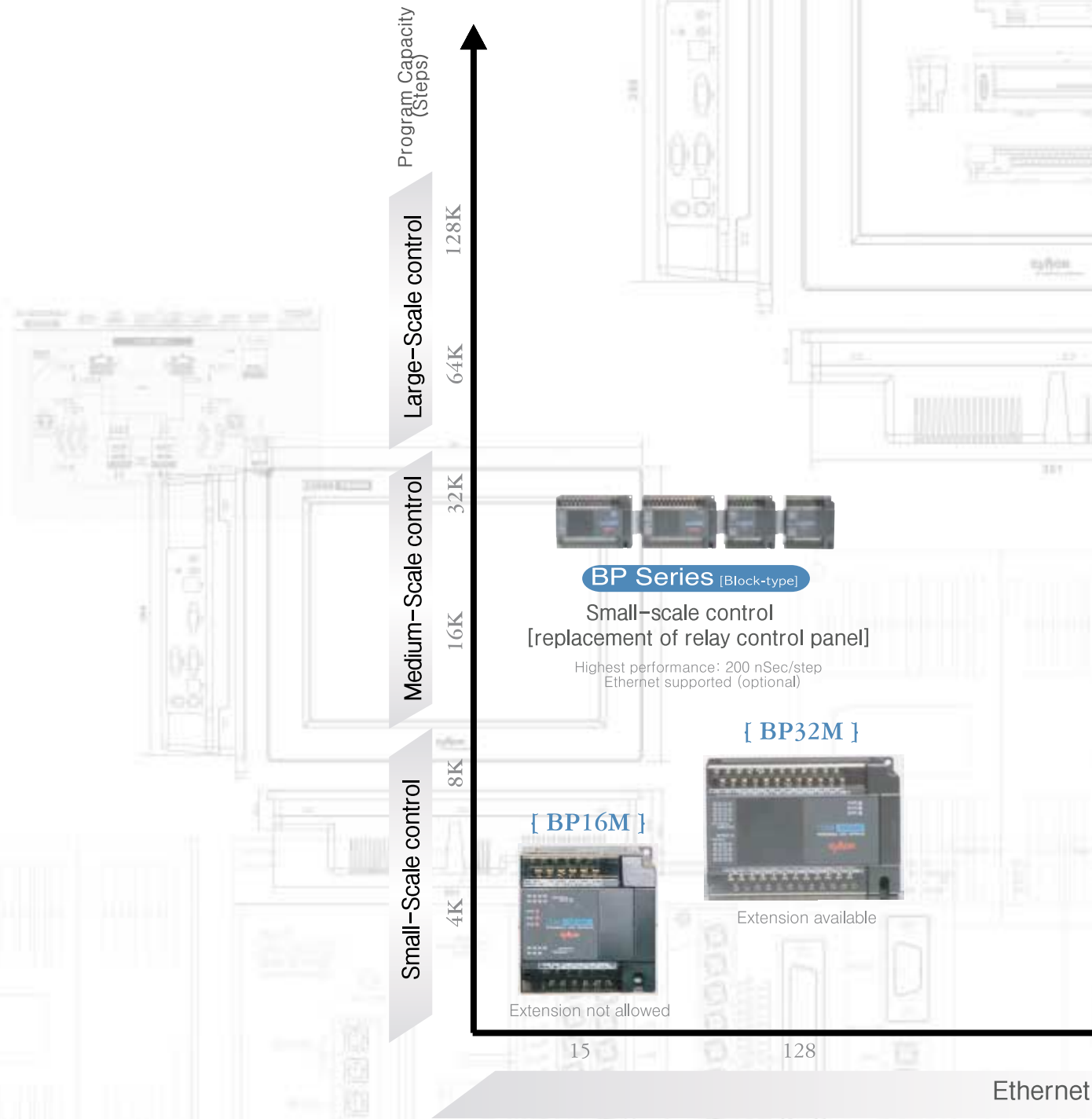
Remote I/O model located on the end of a standard field bus such as Profibus for governing various third-band controllers

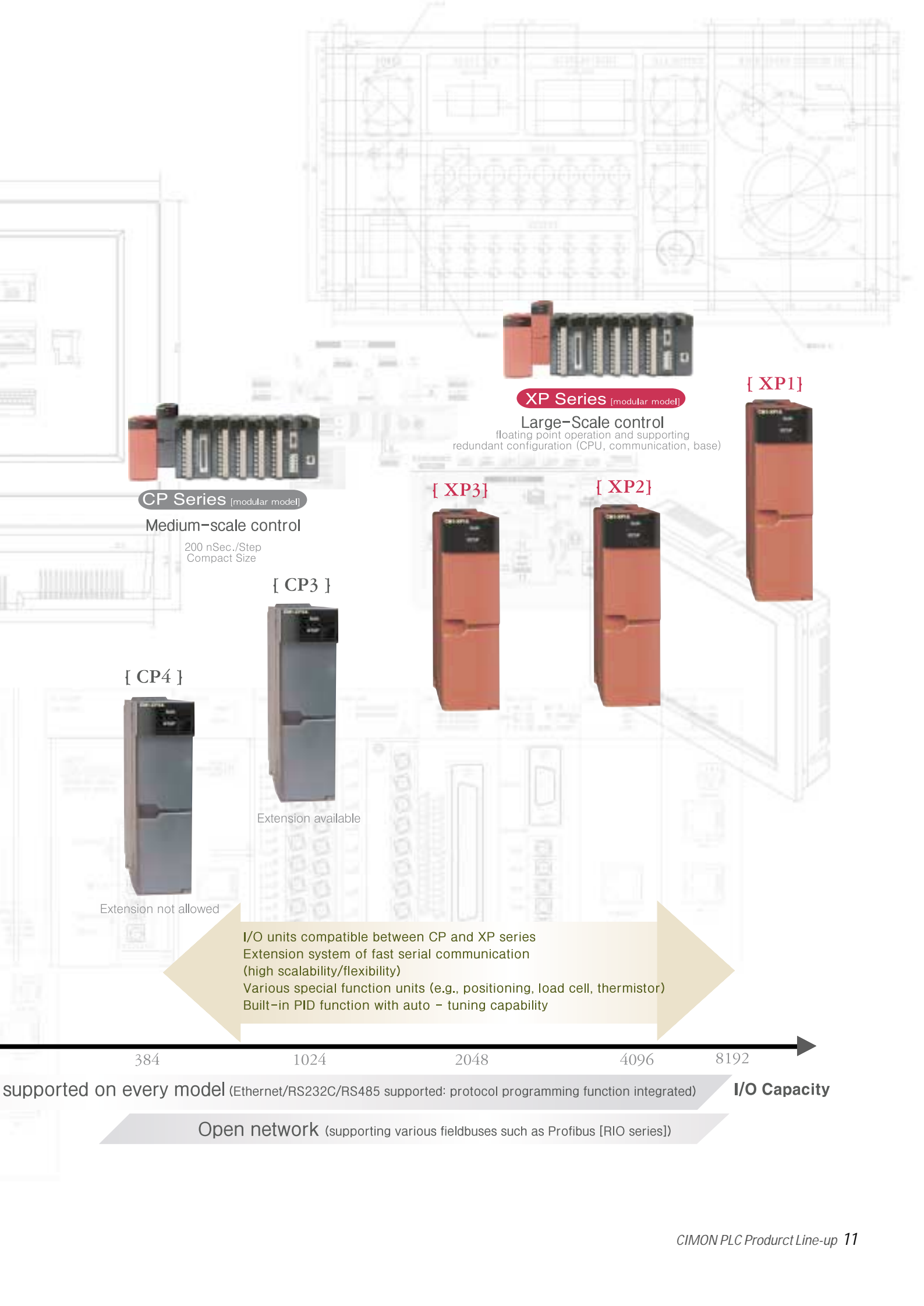
CIMON-PLC Applications



Customer	Project
Ssangyong Motors	Automatic door control
Yein Control	BAS
City Water Headquarters of Incheon	Wireless TM/TC at No-On Water-Purification Plant, Bupyeong
Metropolitan City Government Korea Railroad	Water-Purification Plant GIS full automation system, battery SCADA
Korea Electric Power	Substation SCADA
Heungin Substation	Automated water-cooling system
KAMTECH	Steel & iron M/C mechanical control
Kangwon Land	Central monitoring system for wastewater and gray water treatment at the main casino
Daewoo Shipbuilding	Pre-treatment line, painting shop system
Samsung Heavy Industries	Carrier transporting system, pre-treatment line
Sungshin Semitech	Assembly process (semiconductor equipment)
Sunghwa Woodline	Woodworking machines
KBS	Power SCADA
KC-TECH	Gas cabinet
LG Caltex	Catalyst evaluation
Busan City Government	Sectional flow-rate control system, city water business headquarters
City Water Office of Anyang City	Water-treatment system
Korean National Housing Corp.	Power monitoring system
Cheongju Women's Correctional Institution	Power monitoring system
Jungbu Branch of Korea Electric Power	Distribution station remote monitoring system
Hyundai Motors	HR PJT at HMC body plant IX
Gangwon-Do Province Government	Machine room/air-conditioning room power SCADA at the new building
Gimje City Government	Food waste water treatment system
Doosan Construction	DCS replacement at Icheon Heat-Annexation Power Plant
Rainbowscape	Music fountain system
Boeun-Gun Office	Integrated water-treatment system at Naebuk Water-Purification Plant
Seunggi Water Quality and Environment Office	Sewage treatment monitoring and controlling system
Fine Tech	Wastewater-treatment system at Hwaseong/Balan Industrial Estates
Hallim Machine	Automated control of Car-washing machine

CIMON-PLC Products Line-Up





CP Series [modular model]

Medium-scale control

200 nSec./Step
Compact Size



XP Series [modular model]

Large-Scale control

floating point operation and supporting
redundant configuration (CPU, communication, base)

{ CP4 }



Extension not allowed

{ CP3 }



Extension available

{ XP3 }



{ XP2 }



{ XP1 }



384

1024

2048

4096

8192

supported on every model (Ethernet/RS232C/RS485 supported: protocol programming function integrated)

I/O Capacity

Open network (supporting various fieldbuses such as Profibus [RIO series])

CIMON-Xpanel

Total Solution for Industrial Automation



Xpanel Application Systems

Industrial Xpanel Panel-sphere

Xpanel includes all our technologies, from SCADA Software to PLCs.

■ Xpanel opens a new era of HMI panel.

- Embedded high speed mobile processor, (Intel PXA 255 400MHz)
- Provides sufficient memory space.
 - SDRAM : 64MB
 - Flash memory : up to 64MB (32MB standard)
 - Data storage : up to 40MB(8MB standard)
- High color LCD display (65536 colors)
- High resolution display (800×600 pixels)
- High resolution touch screen(4wire resistive)

■ Space saving size

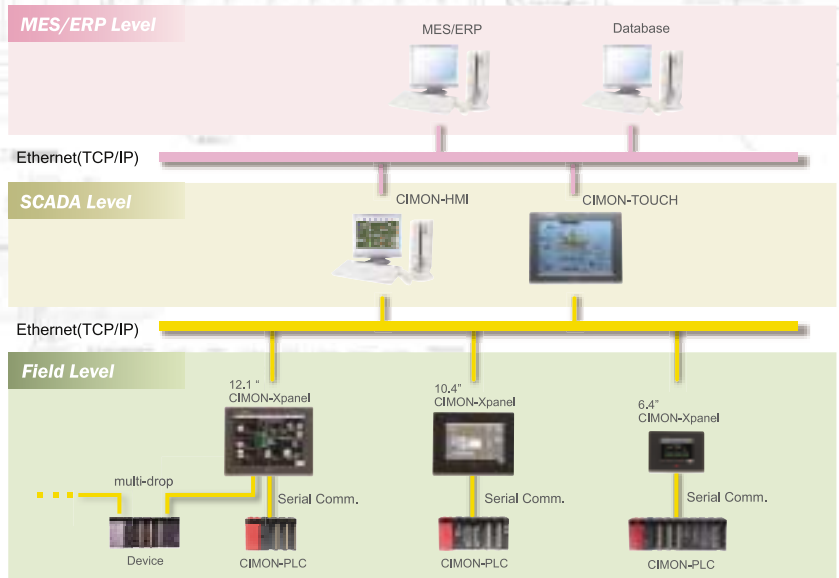
- One of the most thin panel
- Thin panel size provides more freedom on space limited system.
(XT10CA : W280mm×H220mm×D47mm)

■ Other function

- internal system activity log is presented for trouble shooting
- Communication frame can be monitored with presented tool

– Network Architecture

- Maximum 3 ports can be utilized simultaneously for device communication(RS232C, 1RS422/485, 1 Ethernet)
- Supports multi-drop topology(RS422/485, Ethernet)
- Provides network slave function for communication with SCADA system



■ Flexible network

- Provides various device communication media
 - Ethernet 1 port
 - RS232C/422/485 1 port
 - Additional RS232C 1 port
 - USB Host interface for link with design tool software
- Provides network slave functionality for communication with CIMON HMI/SCADA

■ Easy and powerful design tool : Xpanel Designer

- Freely down loadable from our web page
- Provides easy and powerful design environment. Which is Similar to our CIMON-HMI/SCADA.
- Fast data downloading by USB
- External graphic data can be imported easily by clipboard.

■ Supports animation GIF format

- Xpanel supports animation GIF in runtime
- Xpanel Designer provides creating and editing tools for animated graphic object.
- Provides simulation tool for animated graphic object
- Provides user modifiable graphic library

■ Other functions

- Frame function provides easy solution for simultaneous displaying multiple monitoring pages.
- TAG database can be exported (imported) to (from) MS Excel
- Alarm function supports acknowledge mechanism and historical reviewing of designated group
- Provides various graphic wizard objects which make easy to link TAG and graphic object
- Logged data by data-logger function can be visualized by trend object
- System activity logging provides easy design error tracking function
- Provides C-style script language and various embedded sub-routines for flexible design



CIMON-TOUCH

Total solution for industrial automation



TOUCH Application systems

Industrial Touch Panel sphere

CIMON-TOUCH, a MS-Windows based HMI device, is an innovative product delivering all of the functions of PC, HMI and TOUCH.

■ CIMON-TOUCH

CIMON-TOUCH, a fan-less compact touch panel computer with HMI mounted, is a Windows-based HMI device, and innovative in delivering all the functions of PC, HMI and TOUCH.

- Strong durability at industrial sites with the mobile CPU mounted
- High-resolution screen(1024x768)
- Simple and various drawing available with CIMON-HMI mounted
- Easy and fast realtime database manipulation
- Versatile communication configurations with under lying controllers via Ethernet, serial (RS232C/422/485) and USB ports

■ CIMON-IPC

Pentium 4-grade industrial computer available of mounting on 19" rack

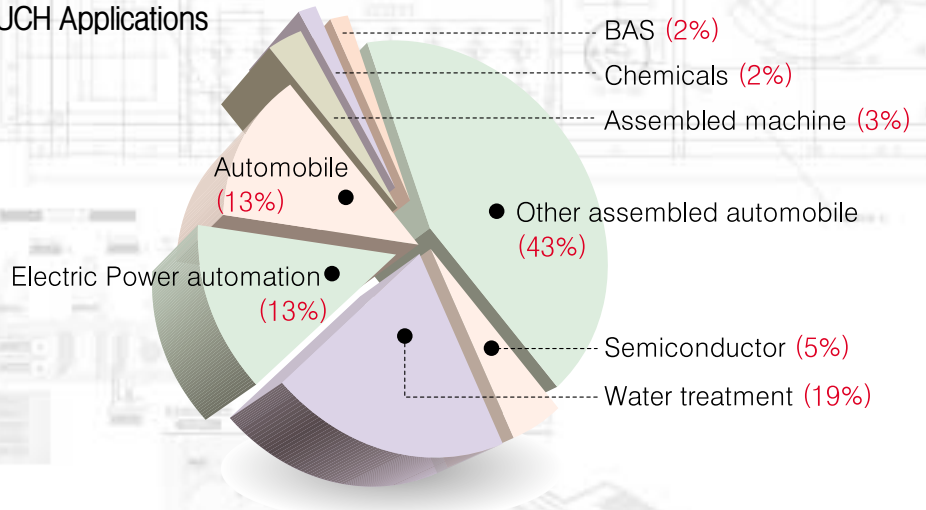
- 4U x 19" rack mount type
- High durability at severe industrial environment
- Fast speed and sufficient storage capacity

■ CIMON-PPC

CIMON-PPC, an industrial computer integrated with a monitor mounted with a touch screen, is an optimal touch-screen PC for automation systems delivering the best functions for HMI software.

- 15-inch TFT LCD screen of high resolution and rich colors
- Slim design of panel insertion type to maximize space
- High reliable touch screen with fast response time
- Multimedia system delivering different functions
- Optimal panel PC for various automation control programs
- Versatile panel structure customized for site circumstances

CIMON-TOUCH Applications



Customer	Project
Korea Railroad	Station building monitoring system, CU (communication system)
Ssangyong Motors	Body shop facility monitoring system
Daeduck Research Complex	Chemicals testing devices
City water headquarters of Daegu Metropolitan City	Beomeo Pressurized Plant monitoring and controlling system
Korea Express Train Corp.	Express train station building monitoring system
Hankook Tire	Extruding machine monitoring and controlling at Daejeon Plant
KBS	Power and light SCADA at Cheongju Branch
City Water Headquarters of Incheon Metropolitan City	Monitoring & controlling system at Bupyeong water-purification plant
Kumho Tire	Molding machine at Gwangju Plant, new production line at Nanjing plant in China
Hyundai Motors	Production line at Ulsan Plant V, new production line at Beijing plant in China
Inpek	POSCO environment facility line
Yangpyeong-Gun Office	Automation of city water facilities of Yangpyeong-Gun
Hankook Tire	Tire production line
Idea Bank	Mushroom cultivation machine
Hankook Tire	Extruding machine/production line
SBS at Mok-Dong	Stage controlling facility
Steam power plant (Ulju-Gun)	Nuclear power plant facility
Chungju Detention Center	Power monitoring line
KT&G	Cigarette packing line
Samjung Turbine	Freshwater facility
Mando Machinery	Automobile part production line (rack-P line)
Hwasung Mechanic-electronics	Music fountain system
Hwaseung R&A	Production line at the plants in China
Doosan D&D	Organic EL devices
Pacific	Unmanned monitoring system
Sinha System	Building controlling system
Duhap Cleantech	Sewage processing plants at Haenam/Paju/Geumcheon
SFA (Samsung Corning Precision Glass)	PDP line FAB logistics management
POSCO	Monitoring system for back-filter pressure of dust collection system
Samsung TechOne	Semiconductor equipment

CIMON-HMI

Total Solution for Industrial Automation

HMI Application Systems

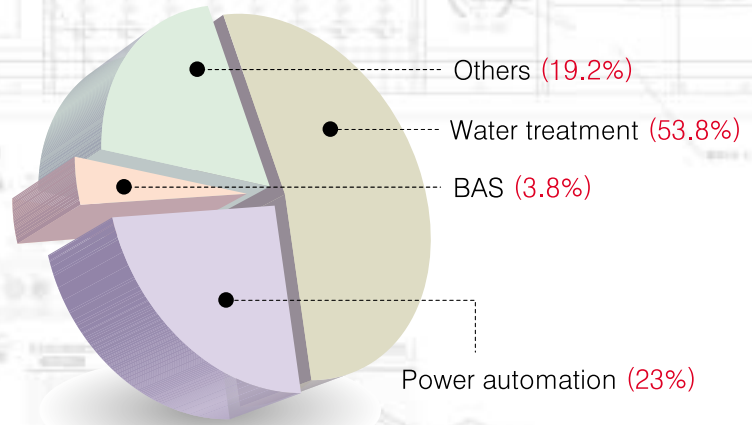


Industrial Automatic Software sphere

CIMON-HMI is universal industrial automation monitoring/controlling HMI software operating on Win98/Me/2000/XP.

- **CIMON-HMI/redundant configuration**
Monitoring/Controlling system based on redundancy architecture, proving high reliability
- **CIMON-HMI/WEB**
Monitoring/controlling system accessible anywhere over Internet
- **CIMON-HMI/PDA**
Portable monitoring/controlling system via wireless LAN and CDMA network
- **CIMON-HMI/SMS**
System that provides real-time text messages for emergency situations
- **CIMON-HMI/ACS**
System that provides real-time voice messages by phone for emergency situations
- **CIMON-HMI/CCTV**
Real time image monitoring/controlling system via CCTV

CIMON-HMI Applications



Customer	Project
KEC in Gumi	Facility management system at Gumi Plant of KEC
Samsung SDI in Yangsan	Facility management system
City water headquarters of Daegu Metropolitan City	Comprehensive water-purification plant operation system
City water headquarters of Incheon Metropolitan City	Monitoring/controlling system at No-On water-purification plant
KBS (Cheongju)	Power and light SCADA at Cheongju Broadcasting
Korea Stock Exchange	Power SCATA at the computer center of the second building
KBS (Head office)	Power and light SCADA at Cheongju Broadcasting
M-Gate - SBS	SBS base station project
Tops	Sewage termination treatment facility construction at Jinan
Tops - Jain water-purification plant	Replacement of monitoring/controlling system and central control panels
City water pressurizing plant of Paju City	Water treatment system
KBS (Chungju)	Power control facility construction at Chungju Broadcasting
KGS (Mokpo)	Central control facilities at KBS Mokpo
KEC	Facilities of production line at the plant in China
City water headquarters of Daejeon Metropolitan City	Daejeon city water facility office
Gwangju City Government	Full automation system for water treatment in Gwangju City
Ujin-Gun Office	City water and sewage facility construction
MBC Andong	Power and facility management system
Jungang Information System	Water-purification system in Ansan
Fine Tech	Waste water treatment system in Balan/Hwaseong Industrial Estates
Ilsan ENC	Hwa-An district of Korea Agricultural & Rural Infrastructure Corp.
Kwangmyung Electric	Water treatment system in Dangjin-Gun
Taekwang ENC	Water control system in Gwangju District
Hankyung Mechanic-Electric	IBS at Yeoido Telephone Office
Dongyoung Enterprise	City water/wastewater treatment system
Kyungil	Suncheon Fine Hills CC

CIMON Automation Systems

Total solution for industrial automation



Automation Systems sphere

Information systems at enterprises become increasingly complex and diversified upon rapid development of information & communication and expansion of globalization. In this situation, it is critical for every enterprise to secure expert competence for integrating heterogeneous systems and to preserve higher competitiveness by differentiating information and technologies. KDT Systems delivers you the integration solutions accommodating expert technologies, networks and applications to satisfy those requirements.

- City water/sewage treatment systems/power monitoring systems
- Power plant monitoring systems/plant monitoring systems
- Production/assembly monitoring systems/building management systems
- Environment monitoring systems/wireless RTU, RF RTU series
 - Small-scale RTU (Remote Terminal Unit) capable of remote controlling/monitoring via 011 wireless network



CIMON RF-RTU

CIMON-RF_RTU is a small RTU that employs wireless data communication network to transmit information of status and measurements from remote sites.

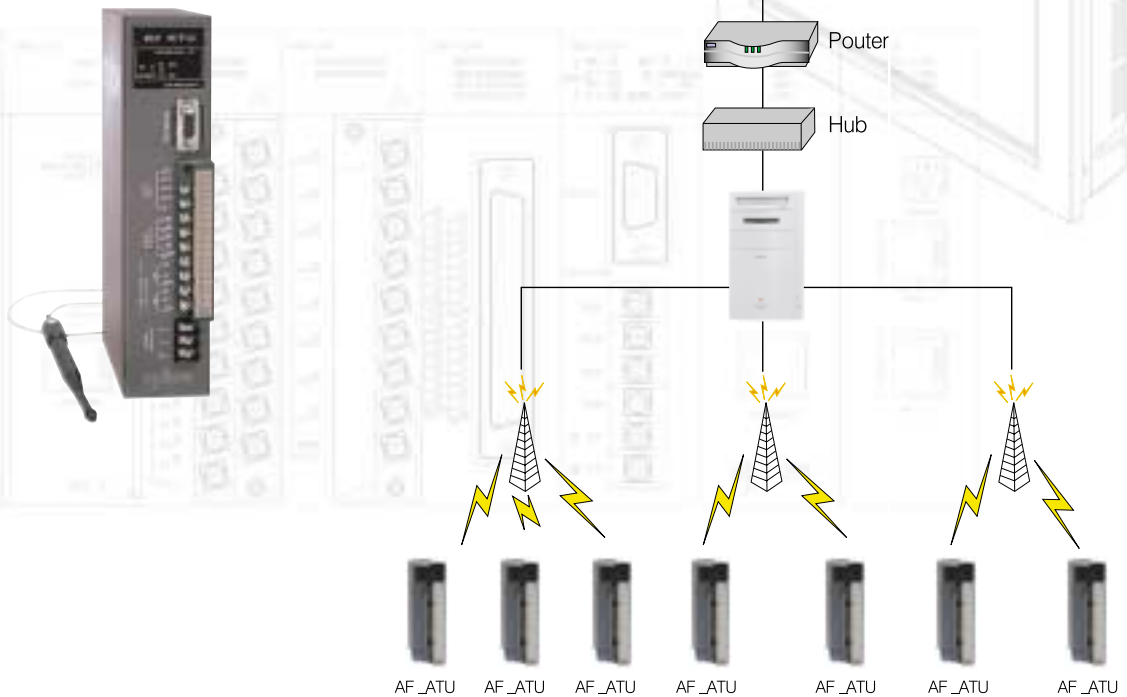
- Playing roles of wireless communication device
- AD converter (16 bit) built in
- Automated transmission of data of status change or events
- Pulse counter built in
- Clock function built in

■ CM-RRTU2044I-I: Employing INTECH Telecom network

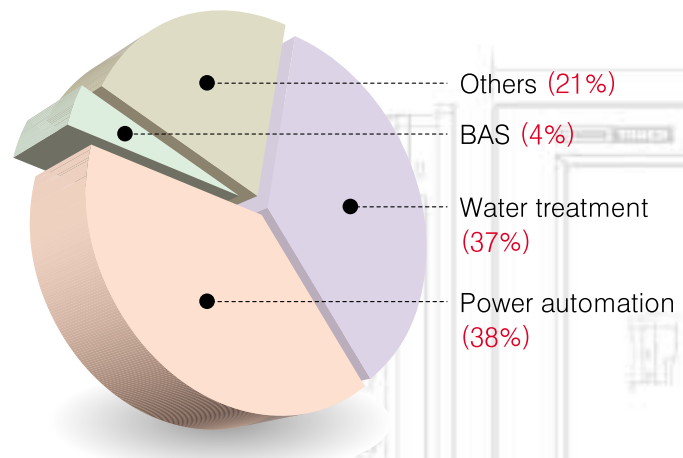
Di: 8 points, Do: 6 points, Ai: 2 channels (connected with parent PC through CSU)

■ CM-RRTU0086-001: Employing 011 Data network

Di: 4 points, Do: 4 points (connected with parent PC through modem)

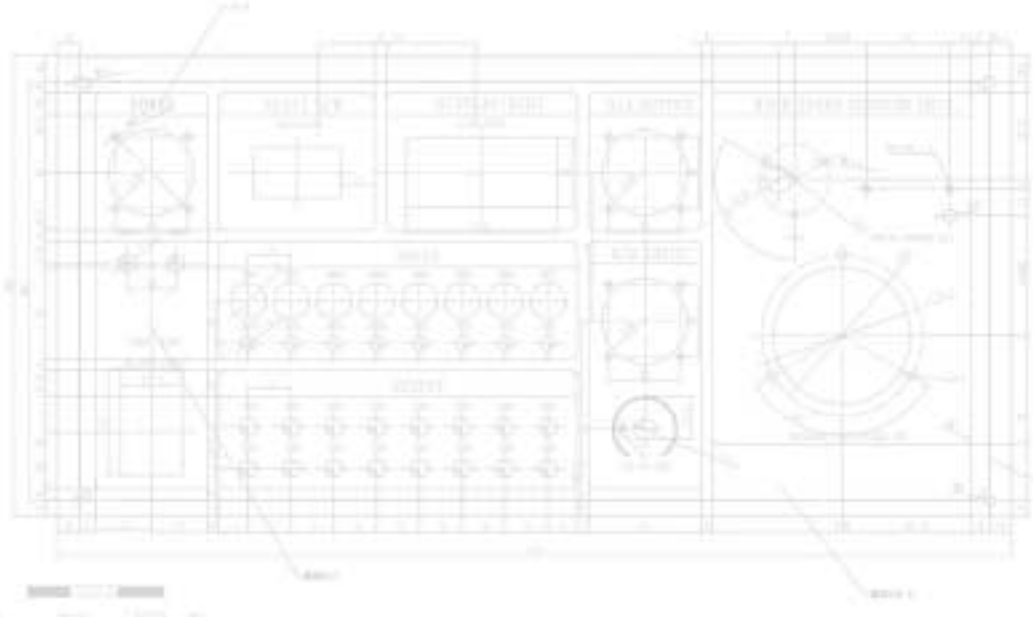


Applications of Automation Systems



Water treatment

Customer	Project
City water headquarters of Seoul City	Perimeter monitoring systems at water-purification plants in Eunpyeong, Sinwol and Gueui
Gyeongsangnam-Do	Pressuring plant at Junam Reservoir
Wanju-Gun Office in Jeollanam-Do	Joint processing plant of pumping station, water way and livestock wastewater
Yanggu-Gun Office in Ganwon-Do	Automated wastewater treatment system
Incheon City Government	Floodgate management system
Youngjongdo Airport Management Corp.	Gray water treatment system at the new airport in Youngjongdo
Iksan City Office	Drain improvement project in Yucho District
Narizion	Pure water treatment system
Korea Water Resource Corp.	Establishing Milyang Dam systems
Korea Agricultural and Rural Infrastructure Corp.	Pumping stations in Ungpo/Hwasan District and Chungju Gageum District
City water headquarters of Incheon City	Purchase and installation of pumping station operation panel at No-On and Bupyeong III water-purification plants
Hangang Hydraulic Power Generation Office of Chuncheon City	Hanging hydraulic/nuclear power facilities of Chuncheon City
Taekwang ENC	Water management system in Chungcheongbuk-Do district
Korea Express	Sewage/wastewater treatment monitoring system operation device
Ilsan ENC	Remote flow rate monitoring systems at Daego Beomeo Pressurizing Plant and other 12 plants
Korea Automatic Control Industry	Remote duplex configuration of automated control panel at the central monitoring room of No-On water-purification plant
City water/sewage Headquarters of Gangreung City	Unmanned monitoring system of Gyeongpo drainage and pumping station in Gangreung
Kangwon Land	Central monitoring system of wastewater and gray water at the main casino
Gongchon Water-Purification Plant	Repairing work of power monitoring system at the substation room
Junma Engineering	Installation of the control panels at Sannae pressurizing plant and other one plant
Boeun-Gun Office	Installing CCTV cameras and establishing unmanned systems at Wonnam water-recovering plant Construction of automated measurement systems of water quality at Gyosa water-purification plant Automated and unmanned facility at Naebuk water-purification plant
Yangpyeong-Gun Office	Electric works for automation projects of city water facility of Yangpyeong-Gun Cheongun Water-Purification Plant Installation of Cheongun simplified city water pipe work
City Water Office of Gyeyang	Remote control panel facilities for Duksil unmanned pressurizing plant of the control panels at Bangchuk unmanned pressurizing plant
No-On Water-Purification Plant	Turbidity meter automatic control panel facility for each filtering site (data transmission management system)
Seunggi Water Quality Environment Office	Unmanned facilities at Namdong wastewater relay pumping station
Yangpyeong Water-Purification Plant	Automatic filtering site control facility
Namdong Water-Purification Plant	Automatic control panel facility for filtering site at sites
Hongje Water-Purification Plant	Automated water treatment system at Gangreung Science Estate
Inje-Gun Office	Gunrangbal sewage treatment facility at Guidun-Ri
Milyang City	Water quality measuring instruments and automated control panel for integrated systems at Gyodong water-purification plant



Power control and building administration (BAS)

Customer	Project
Korea Electric Power	Establishing automated distribution systems
	Suwon power office SCADA, Nam-Jeju steam power plant ECMS
	Automated systems at Jungbu substation
Navy Headquarters	Power monitoring system at Pohang Marine Corps
Seohung Capsule	Monitoring subcontractor manufacture process of capsules (BAS)
Jeil Bio	Distilled and pure water treatment process (BAS)
KBS	Headquarters building power monitoring system
Samyoung Electric	Power monitoring system
Youngjongdo New Airport Management Corp.	Remote power metering system
Central City	Integrated management system (BAS)
Cheonan Telephone Office	Building management system (BAS)
Hoam Art Hall	Automation system for stage machinery
Jungbu Branch of Korea Electric Power	Remote distribution system monitoring system
Heungin Substation	Automation of 154 kV S/S water-cooling facility
Cheongju Women's Correctional Institute	Power control system
Suwon Electric Power Office	Manned S/S operation monitoring system
Korea Express Train Management Corp.	154 kV substation harmonic wave monitoring facility
KBS	Reinforcement of remote control systems at the main and the new buildings
	Power control facility construction at KGS Chungju and Mokpo Broadcasting
	Modernization construction of power facility at KBS Wonju Broadcasting
	Central control system reinforcing system
	Power/light monitoring systems at KBS Cheongju Broadcasting
	Facility replacement and central control system reinforcement at section VI of the headquarters building
Management system at transmission operation center in Yangju, CU	
Yanggyeong City Water Office	Filtering site electric work
Seoul Electric Power Office	Automated water-cooling facility at Sinchon substation

Others

Customer	Project
Seohung Capsule	Monitoring subcontractor manufacture process of capsules
Jeil Bio	Distilled and pure water treatment process
Namyang Dairy	Auto packer monitoring system
Samyuk Duyu	Bean milk processing and production line system
CJ	Feed manufacture process management system
KIA Engineering	AT case processing line controller
Daewoo Paper Mill (China)	Paper mill process monitoring system
Korea Water Resource Corp.	ECS system at Hwengseong Dam (ACS)
Doowon Air-Conditioning	Measurement DAS system
Taekwang Oil	Batch controller monitoring system
Ilsan Construction and Technology Research Center	Fire-proofing and fire-fighting system
Hanil Steels	Main control PC of pipe mill V
Hankuk Securit	Smart screen construction for PBS press machine at Gajwa Plant
Samsung	Hoam Art Hall stage systems controller
B2B Engineering	Developing semiconductor controllers
Hyosung	SMS system at Eenyang Plant
Samyuk Duyu	Process monitoring system
Heungwon Paper Mill	CM2 color dosage HMI system replacement
Floyd	NPK line monitoring system establishment

CIMON Distribution Automation system

Total Solution for Industrial Automation



■ **SCADA system for DAS**

Monitoring/controlling system software for remote control of high-voltage electric power network switching

■ **PDA system for DAS**

Portable monitoring system over wireless network

■ **DAS Simulator**

Software for practicing fault/recovery operation of distribution cable network

■ **Elevated FRTU**

Remote monitoring/controlling terminal for elevated distribution cable network breaker

■ **Underground FRTU**

Remote monitoring/controlling terminal for underground distribution cable network breaker

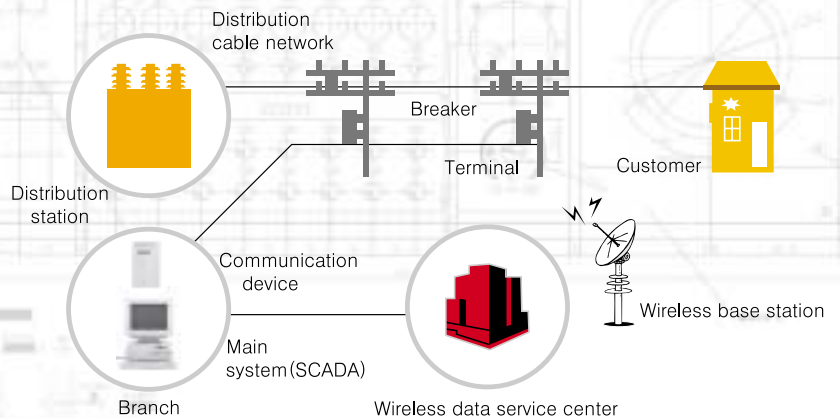
■ **Wireless PAD**

Wireless data transmission/receiving modem over Air Media/In-tech wireless network



CIMON DAS

- Main system software for distribution automation(SCADA)
- Elevated/underground distribution control terminals (FRTU)
- Electronic recloser control box (25.8 kV)
- PAD for wireless data communication
- Recloser control box for distribution automation



CIMON RECLOSER

■ Features of control box

- Automatic shutdown and recovery function upon detection of short circuit/branch short circuit detection current from the distribution cable network
- DNP 3.0 communication available with the host (DNP 3.0 protocol)
- Detection of current/voltage/power factor/phase difference/mean load current/maximum daily load current
- Status monitoring, fault detection and remote controlling
- Diversified TCC definition functions (correction of multiple of TCC and addition of delayed time)
- Storing fault current waveforms of respective phases
- Terminal communication function (communication emulator)
- Self-diagnosis function (power/AD/temperature/memory monitoring)
- Notebook PC operation available

CIMON PAD

■ summary

CIMON-PAD is a communication device over Air Media and In-Tech data modem. The product is built in the automation control box and the PLC box.

- Tx/Rx LEDs for checking status of communication
- Automatic model resetting function
- Conversion function of RS232C communication port between communication protocols (NCL ↔ DNP3.0)
- Setup function on laptop
- Self-diagnosis function
- Self-transmission to the main system only upon changes in the site situations with the event drive (unsolicited mode)



Communication rate | 1200 – 9600 bps
 Communication mode | RS232C asynchronous communication
 Input power | DC 24V
 Dimensions | 150 x 44 x 223 (W x D x H)

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