



VRF Reference Sites

Air Conditioning Marketing Group

Global Reference Site Map





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- 5. South West Asia
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1. Europe



Sheraton Edinburgh Hotel



Reference Site

Project	Sheraton Hotel (5-star hotel)
Location	Edinburgh, UK
Date of Completion	OCT, 2010
Size	11,500 m2 (269 rooms)
Value	€ 220K

Image





Equipment Selection ———

Classification	Туре	Q'ty / HP
ODU	DVM PLUS 2 HR	25 EA
IDU	Slim Duct	285 EA
Control	DMS 2, MWR-WH00	

- Fidelio system application with Samsung AC
 - Samsung developed the Fidelio application for customer
- PC based centralized control system (DMS2)



Holiday Inn Hotel



Reference Site

Project	Holiday Inn Hotel
Location	Slough, UK
Date of Completion	Oct, 2008
Size	9 floors
Value	-

Image



Classification	Туре	Q'ty / HP
ODU	DVM PLUS II HR	11
IDU	Wall mounted / Ceiling	171
Control	DMS, Key tag, Fidelio	

- ODU Installation Space
- Group installation on the rooftop

- Management of air conditioning system
 - DMS
 - Fidelio : 3rd Party control system



Southend Airport



Reference Site

Project	Southend Airport
Location	London, UK
Date of Completion	JUN, 2011
Size	4,500 m2
Value	€ 320K

Image





Equipment Selection

Classification	Туре	Q'ty / HP
ODU	DVM PLUS 3	18 EA
IDU	Duct, Wall Mounted	47 EA
Control	MWR-WH00	

- Management of air conditioning system
 - Simplified remote controller

- Interior design
- Compact ducted units



IKEA Shopping Complex Mall



Reference Site

Project	IKEA Shopping Complex Mall
Location	Valladolid, Spain
Date of Completion	AUG, 2012
Size	20,700 m2
Value	€ 210K
Customer	Atil Cobra (Big Installer)

Image





Equipment Selection -

Classification	Туре	Q'ty / HP
ERV	RHF***EE	166 EA
Control	CO2 Sensor, MWR-WE10	

Application Issue

- CO2 sensors to control the multiple ERVs
 - HQ developed a special software for customer
- Free cooling with volume damper and energy saving control

• Extended temperature ratio to $\pm 10^{\circ}$ C with energy saving control of MWR-WE10



Pecsa Sanatorium



Reference Site -

Project	Pecsa Sanatorium
Location	Madrid, Spain
Date of Completion	2010
Size	- m2
Value	€ 230K

Image





Equipment Selection

Classification	Туре	Q'ty / HP
ODU	DVM PLUS 3 HP	16 EA
IDU	AHU, 4Way, Duct, 2Way	96 EA
Control	DMS2, MWE-WH00	

Application Issue

- AHU Systems (Heating load 30%)
 - AHU system was installed with Solar panels for corresponding the energy regulation

• PC based centralized control system (DMS2)



Parkalgar Radisson Hotel



Reference Site

Project	Parkalgar Hotel (5 Star Hotel)
Location	Portimão, Portugal
Date of Completion	2011
Size	16,000 m2 (208 rooms & 166 apt.)
Value	€ 450K

Image







Equipment Selection ————

Classification	Туре	Q'ty / HP
ODU	DVM PLUS 4 FJM	19 EA 166 EA
IDU	Duct(Hotel), RAC(Appt.)	737 EA
Control	DMS 2, LonWorks gateway	7

Application Issue

- Customer want to provide an overall total solution, such as air-conditioner, TV, refrigerators, cookers and microwaves.
- Samsung can provide customers with a tailored total solution.

LonWorks BMS connection



VAM Design Center



Reference Site

Project	VAM Design Center (Art Gallery)
Location	Budapest, Hungary
Date of Completion	2007
Size	11,500 m2
Value	€ 286K

Image





Equipment Selection ————

Classification	Туре	Q'ty / HP
ODU	DVM PLUS 2	24 EA
IDU	Duct, Wall Mounted	86 EA
Control	DMS, Power Distribution	

- PC based centralized control system (DMS)
- Power distribution system (SiM, WHM)



ORCO Shopping Mall



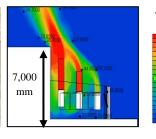
Reference Site

Project	ORCO Project
Location	Budapest, Hungary
Date of Completion	2012
Size	12,000 m2
Value	€ 571K

Image







37.3

Equipment Selection ————

Classification	Type	Q'ty / HP
ODU	DVM PLUS 3 HR	52 EA
IDU	4way, Duct, Console Air Handling Units	300 EA 6 EA
Control	S-NET 3, DMS, Power distribution	

Application Issue

- Limited installation space for the outdoor units
 - High walls surrounding the area
 - Samsung provided full CFD simulation analysis

• The investor wanted the most energy efficient solution with best control solution



Murawa Office Park



Reference Site

Project	Murawa Office Park
Location	Poznan, Poland
Date of Completion	December, 2010
Size	7,500 m2
Value	€ 205k

Image



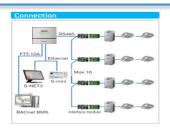


Equipment Selection ———

Classification	Туре	Q'ty / HP
ODU	DVM PLUS III HR	10 EA
IDU	Duct, 4Way Cassette, RAC	151 EA
Control	Lonworks Interface	

Application Issue

- Monitor power distribution
- Set room temperature
- Control fan speed
- Zone management



• Lonworks Gateway the best solution to integrate DVM PLUS system into BMS and control the system simultaneously



PFRON



Reference Site

Project	PFRON
Location	Warsaw, Poland
Date of Completion	2010
Size	4,525 m2
Value	€ 150K

Image





Equipment Selection —————

Classification	Туре	Q'ty / HP
ODU	DVM PLUS 3	22 EA
IDU	4way, Slim 1way, RAC	215 EA
Control	DMS 2, Window relay, Use restriction by Control logic management	

Application Issue

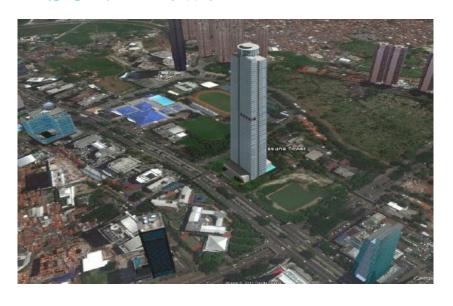
- PC based centralized control system (DMS2)
- Window contact control for energy saving

• Electric power use limit combined with DMS2 control logic management

2. South East Asia



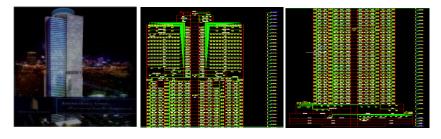
RASUNA Tower



Reference Site

Project	RASUNA Tower
Location	Jakarta, Indonesia
Date of Completion	2014
Size	60 floors
Value	5.0M US\$

Image



Equipment Selection —————

Classification	Туре	Q'ty / HP
ODU	DVM PLUS IV	380
IDU	4 Way, Duct, ERV+	1,223
Control	BACnet	

- Optimize indoor humidity control
- Improved design with DVM +4
- Interlock control with BACnet

- Power distribution
- PIM (WHM interface module MIM-B16)
- Local watt-hour meter (Pulse type)



Arya Residences



Reference Site

Project	Arya Residences	
Location	Taguig City, philippines	
Date of Completion	2013	
Size	2 towers	
Value	2.0M US\$	

Image



Classification	Type	Q'ty/HP
ODU	DVM Mini	1720HP
IDU	4 Way & Duct	895
Control	Individual remote controller	

- LEED-registered residential building
 - SAC with high EER
 - DVM Mini
 - DVM+4 / CAC

- Optimized design for ODU
 - Air flow analysis by CFD
 - Proposal of optimized ODU space



Viet Han Tower (Space 21)



Reference Site

Project	Viet Han Tower (Space 21)
Location	Hanoi, Vietnam
Date of Completion	July, 2011
Size	17 floors
Value	460k US\$

Image





Equipment Selection ————

Classification	Туре	Q'ty / HP
ODU	DVM PLUS III	65
IDU	4way	222
Control	DMS2, Power distribution with PIM	

- High-rise building
 - Level different over 50m
 - PDM(Pressure Drop Modulation) Kit
- Countermeasures of region with high humidity
 - Reinforced insulator

- Power distribution
- PIM (WHM interface module MIM-B16)
- Local watt-hour meter (Pulse type)



Kumho Asiana Plaza



Reference Site

Project	Kumho Asiana Plaza	
Location	Hochiminh, Vietnam	
Date of Completion	2009	
Size	Service residential 32th floor	
Value	3.2M US\$	

Image







Equipment Selection ————

Classification	Type	Q'ty / HP
ODU	DVM PLUS III	128
IDU	Slim 1way	1,155
Control	S-Net 3, DMS, Power distribution with SiM	

- PC based centralized control system
- S-Net 3 & DMS
- Function : Monitoring & operation
- Power distribution: SiM, WHM

- Countermeasures of region with high humidity
- Reinforced insulator



Imperial Palace



Reference Site

Project	Imperial Palace
Location	Cebu, Philippines
Date of Completion	2009
Size	6 buildings
Value	3.2M US\$

Image



Classification	Туре	Q'ty / HP
ODU	DVM/DVM PLUS 2,3	2850HP
IDU	1way / Slim duct	1355
Control	BMS interlock control	

Application Issue

- Damage from sea wind (water)
 - Install Wall against the wind
 - Anticorrosive agent

• Interlock control with BMS system



West Sands Resort



Reference Site

Project	West Sands Resort	
Location	Mai Khao Beach, Thailand	
Date of Completion	2009	
Size	426 villas & residences	
Value	1.0M US\$	

Image



Equipment Selection ————

Classification	Туре	Q'ty/HP
ODU	DVM PLUS III	984HP
IDU	1 Way / Duct	755
Control	DMS	

- Prevention from Damage of sea wind (water)
 - Install Wall against the wind
 - Anticorrosive agent

- Countermeasures of region with high humidity
- Reinforced insulator



St. Joseph School



Reference Site

Project	St. Joseph School
Location	Sydney, Australia
Date of Completion	2011
Size	10 Different Buildings
Value	250K AUD\$

Image







Equipment Selection ———

Classification	Туре	Q'ty/HP
ODU	DVM PLUS III (HP/HR)	500HP
IDU	1 Way / 4 Way	250
Control	Central Controller, DMS2	

- Management of air conditioning system
 - Integrated and centralized control system
 - DMS: PC, Web based centralized control system
 - Monitoring & Operation

- Refurbishment of HVAC system
- SAC(DVM system) application



Rockhampton Aged Care



Reference Site

Project	Rockhampton Aged Care	
Location	Rockhampton, QLD Australia	
Date of Completion	2011	
Size	100 Beds Aged Care Residents	
Value	120K AUD\$	

Image



Equipment Selection ————

Classification	Туре	Q'ty / HP
ODU	DVM PLUS III	72HP
IDU	Wall mounted	100
Control	S-NET Mini	

- Management of air-conditioning system
 - Easy Control : S-NET Mini with touch screen
 - Monitoring & Operation

- Retirement Village
- Emergency Shutdown A/C System in Fire Mode



Breakfast Point Apartment



Reference Site

Project	Breakfast Point Apartment
Location	Sydney, Australia
Date of Completion	2011
Size	3 Buildings each with 5 Levels
Value	450k AUD\$

Image



Equipment Selection ————

Classification	Type	Q'ty/HP
ODU	DVM Mini	1670HP
IDU	Wall mounted	450
Control	Individual Wireless Controller	

- High end value residential apartment
 - System combination : DVM Mini & 2~4 IDUs

- Location of ODU
- Roof & Basement
- Securing air circulation of ODU located in basement



Thai Hoa Pediatrics Hospital



Reference Site

Project	Thai Hoa Pediatrics Hospital
Location	Dong Thap, Vietnam
Date of Completion	June, 2011
Size	7 floors
Value	249K US\$

Image



Equipment Selection ————

Classification	Туре	Q'ty/HP
ODU	DVM PLUS III	25 / 382HP
IDU	4 Way	213
Control	Central Controller, DMS	

Application Issue

- Management of air conditioning system
 - Integrated and centralized control system
 - DMS: PC, Web based centralized control system
 - Monitoring & Operation

• N/A



Golf Phu My Hotel



Reference Site

Project	Golf Phu My Hotel
Location	Ba Ria Vung Tau, Vietnam
Date of Completion	December, 2011
Size	12 floors
Value	500K US\$

Image





Equipment Selection

Classification	Туре	Q'ty / HP
ODU	DVM PLUS III	21 / 74HP
IDU	4 Way & Duct	313
Control	S-Net 3	

- Management of air conditioning system
 - Integrated and centralized control system
 - -DMS + S-Net 3

- Watt-hour Meter interface Module
- ERV
- Interlock with SAC



Green Boutique Hotel



Reference Site

Project	Green Boutique Hotel	
Location	Puchong, Selangor, Malaysia	
Date of Completion	Jan, 2011	
Size	6 floors	
Value	70K US\$	

Image







Equipment Selection ————

Classification	Туре	Q'ty / HP
ODU	DVM PLUS III	3 / 48HP
IDU	Duct	57
Control	S-Net Mini	

- Management of air conditioning system
 - Easy Control : S-NET Mini with touch screen
 - Monitoring & Operation

- Interior design
- Compact ducted units



Bangsar Hill Bungalow



Reference Site

Project	Bangsar Hill Bungalow
Location	Kuala Lumpur, Malaysia
Date of Completion	Feb, 2012
Size	4 floors
Value	65K US\$

Image







Equipment Selection ————

Classification	Type	Q'ty / HP
ODU	DVM PLUS III	4 / 56HP
IDU	Duct	23
Control	S-Net Mini	

- Management of air conditioning system
 - Easy Control : S-NET Mini with touch screen
 - Simplified remote controller

- Interior design
- Compact ducted units



Plaza Damas 3



Reference Site -

Project	Plaza Damas 3
Location	Kuala Lumpur, Malaysia
Date of Completion	May, 2011
Size	10 floors
Value	370K US\$

Image



Equipment Selection

Classification	Туре	Q'ty/HP
ODU	CAC	81 / 960HP
IDU	4 Way & Duct	81
Control	Individual remote controller	

- Management of air conditioning system
 - Simplified remote controller

- Compact 4-way cassette
- Ceiling Concealed Duct
- RAC with Virus doctor



The Beaufort



Reference Site -

Project	The Beaufort
Location	Taguig City, philippines
Date of Completion	December, 2012
Size	42 floors(2 towers)
Value	2.0M US\$

Image



Classification	Туре	Q'ty / HP
ODU	DVM PLUS III	2000HP
IDU	4 Way & Duct	1,500
Control	Individual remote controller	,

- High-rise building
- Complex building
- Office & Residence

- Management of air conditioning system
 - Simplified remote controller



Trillium tower



Reference Site

ProjectTrillium towerLocationSurabaya, IndonesiaDate of Completion2011Size110m's heightValue-

Image



Equipment Selection ————

Classification	Туре	Q'ty / HP
ODU	DVM PLUS III	3
IDU	Ceiling	50
Control	Individual remote controller	

- High-rise building
- Level different over 50m
- PDM(Pressure Drop Modulation) Kit

- Management of air conditioning system
 - Simplified remote controller



Design Hub



Reference Site

Project	Design Hub
Location	Singapore
Date of Completion	2011
Size	1428HP
Value	-

Image



Equipment Selection ————

Classification	Туре	Q'ty/HP
ODU	DVM PLUS III	119
IDU	4 Way & Duct	334
Control	S-Net Mini	

- Optimized piping design against long piping issue for storage space.
- CFD analysis for limited outdoor space

- Management of air conditioning system
 - Easy Control : S-NET Mini with touch screen
 - Simplified remote controller



The New iLoiLo City Hall



Reference Site

Project	The New iLoiLo City Hall
Location	iLoiLo City, Philippines
Date of Completion	December, 2011
Size	7 floors
Value	0.5M US\$

Image





Equipment Selection ———

Classification	Туре	Q'ty/HP
ODU	DVM PLUS III	600HP
IDU	4 Way	550HP
Control	S-Net Mini controller	

- Energy evaluation in comparison with Chiller.
- Previous building is using chiller.

- Management of air conditioning system
 - S-Net Mini controller

3. the Middle East



Mall of Istanbul



Reference Site

Project	Mall of Istanbul
Location	Istanbul, Turkey
Date of Completion	2012
Size	762,000 m2
Value	M US\$

Image





Classification	Туре	Q'ty / HP
ODU	DVM PLUS IV	108 EA / 2,080 HP
IDU	Slim Duct	2,136 EA
Control	S-Net 3, DMS, Power distribution with SiM	

- PC based centralized control system
- S-Net 3 & DMS
- Function : Monitoring & operation
- Power distribution: SiM, WHM

- Countermeasures of region with high humidity
- Reinforced insulator

SAMSUNG

AJMAN One



Reference Site

Project	AJMAN One
Location	Ajman, UAE
Date of Completion	2012
Size	Twelve towers, 26 floors
Value	3.7M US\$

Image







Equipment Selection —————

Classification	Туре	Q'ty / HP
ODU	CAC Camel	6,754 EA
IDU	MSP Duct	6,754 EA
Control	Wired remote controller	

- Design machine room
- Louver for better air circulation
- Exhaust fan and SVC space for

- The Biggest CAC Ref. Site in the GCC Countries.
- Oil trap & additional accumulator



Titanic Hotel



Reference Site

Project	Titanic Hotel
Location	Istanbul, Turkey
Date of Completion	2012
Size	331 Rooms
Value	1.2M US\$

Image



Equipment Selection ————

Classification	Туре	Q'ty / HP
ODU	DVM PLUS IV	
IDU		
Control		

Application Issue

- Management of air conditioning system
 - Integrated and centralized control system
 - DMS: PC, Web based centralized control system
 - Monitoring & Operation

• Interior design

Office Building

SBG Plaza





Reference Site

Project	SBG plaza
Location	Muscat, Oman
Date of Completion	2012
Size	3700Ton
Value	1.6M US\$

Image



Equipment Selection —

Classification	Туре	Q'ty/HP
CAC	MSP Duct (60K)	1500 EA
RAC	RAC (18K)	500 EA
Control		

- Power distribution
- Local pulse type watt hour meter

- Interior design
- Compact ducted units



Braka Nuclear Power Plant



Reference Site

Project	Braka Nuclear Power Plant
Location	Braka, UAE
Date of Completion	2011
Size	
Value	1.25M US\$

Image



Equipment Selection ————

Classification	Туре	Q'ty/HP
ODU	DVM+3 High	137 EA
IDU	4way, MSP Duct	214 EA
Control	Centralized controller, D	MS, S-Net Mini

- Management of air conditioning system
 - Easy Control : S-NET Mini with touch screen
 - Simplified remote controller

- Power distribution
- Local pulse type watt hour meter



Dead Sea Lagoon Hotel



Reference Site

Project	Lagoon Hotel
Location	Dead Sea, Jordan
Date of Completion	2011
Size	
Value	US\$

Image



Equipment Selection ————

Classification	Туре	Q'ty / HP
ODU	DVM+3 High	44
IDU	Duct	760
Control	S-NET 3	

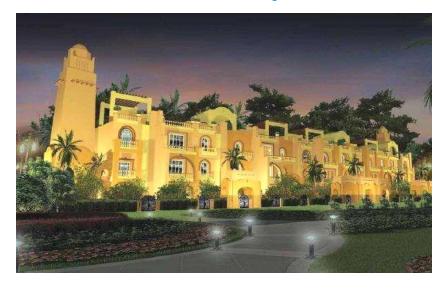
- Management of air conditioning system
 - Integrated and centralized control system
 - S-Net 3 : PC, Web based centralized control system
 - Monitoring & Operation

- Interior design
- Compact ducted units

Luxury Residential Apartment

SAMSUNG

Seasons Community



Reference Site

Project	Seasons Community
Location	UAE
Date of Completion	2009~2012
Size	365 Flats
Value	US\$

Image





Equipment Selection ————

Classification	Туре	Q'ty / HP
ODU	CAC	694 EA
IDU	MSP Duct	694 EA
Control	Wired remote controller	

- Management of air conditioning system
 - Simplified remote controller

- Interior design
- Compact ducted units



Glozny



Reference Site -

Project	Glozny
Location	Glozny, Chechnya
Date of Completion	2011
Size	4.5-hectar (5 building)
Value	1.86M US\$

Image







Classification	Туре	Q'ty / HP
ODU	DVM +3, Mini DVM, FJM	5248HP
IDU	1 Way / Duct	3526EA
Control	DMS, On/Off	

Application Issue

- Management of air conditioning system
 - Integrated and centralized control system
 - DMS: PC, Web based centralized control system
 - Monitoring & Operation

• Hotel, Shopping center, swimming pool, restaurant



Princess Resort



Reference Site

Project	Princess Resort
Location	Izmir, Turkey
Date of Completion	2004
Size	
Value	\$

Image







Equipment Selection

Classification	Туре	Q'ty / HP
ODU	DVM PLUS	
IDU	Duct Type	
Control		

- Management of air conditioning system
 - Simplified remote controller

- Interior design
- Compact ducted units

4. Africa



English Point Marina



Reference Site

Project	English Point Marina
Location	Mombasa, Kenya
Date of Completion	2011. May (Start)
Size	1056HP
Value	\$ 0.7 M

Image







Equipment Selection ————

Classification	Туре	Q'ty / HP
ODU	DVM+3	1056HP
IDU	4Way CST, Duct, RAC	734 ea
Control	S-NET 3	

- Management of air conditioning system
 - Integrated and centralized control system
 - S-Net 3 : PC, Web based centralized control system
 - Monitoring & Operation

- Cooling Efficiency
- Anti- Corrosion performance



The Houghton



Reference Site

Project	The Houghton
Location	Johannesburg, South Africa
Date of Completion	2012. Mar (Start)
Size	440 HP
Value	\$ 469 K

Image





Classification	Туре	Q'ty / HP
ODU	DVM+4 HR	440HP
IDU	Duct	198 ea
Control	S-Net 3, DMS2	

- PC based centralized control system
- S-Net 3 & DMS 2
- Function : Monitoring & operation

- Energy Efficiency of product
- Relationship with client.
- Design support

Commercial Center

NEW CBD





Reference Site -

Project	NEW CBD
Location	Gaborone, Botswana
Date of Completion	2012. Feb (Start)
Size	928 HP
Value	\$ 475 K

Image





Classification	Type	Q'ty / HP
ODU	DVM+4	928HP
IDU	Big Duct, 4W CST	119 ea
Control		

- Management of air conditioning system
 - Simplified remote controller
- Interior design
- Compact ducted units

- Office Building + Shopping Mall
- Design support



TIWI Luxury Villa



Reference Site -

Project	TIWI Luxury Villa
Location	Mombasa, Kenya
Date of Completion	2012. Apr (Start)
Size	108 HP
Value	\$ 190 K

Image



Classification	Туре	Q'ty / HP
ODU	DVM Mini	108HP
IDU	Slim Duct, Wall Mounted	
Control	Wired remote controller	

- Management of air conditioning system
 - Wired remote controller
- DVM mini Line-up
- Design / SVC support

- Interior design
- Compact ducted units, Wall Mounted RAC

5. South West Asia



Yoo Pune



Reference Site

Project	Yoo Pune
Location	Pune, India
Date of Completion	2014 (On construction)
Size	
Value	2.2M\$

Image





Equipment Selection

Classification	Туре	Q'ty / HP
ODU	DVM PLUS IV	EA
IDU	1 Way Cassette	EA
Control	Wired remote controller	

Application Issue

- Individual Control System
 - Wired Remote Controller

• Landmark



DLF Park Tower



Reference Site

Project	DLF Park Tower, Park Height
Location	Gurgaon, India
Date of Completion	2012
Size	1975 - 2704 Sq.Ft.
Value	4.3M\$

Image





Equipment Selection

Classification	Туре	Q'ty / HP
ODU	DVM PLUS III	1,611 EA
IDU	4 Way Cassette, RAC	10,018 EA
Control	Wired Remote Controller	

Application Issue

- Individual Control System
 - Wired Remote Controller

• The Largest contract amount in India

6. Korea



SAMSUNG Electronics Seocho Office



Reference Site -

Project	SAMSUNG Electronics Seocho Office
Location	Seoul, Korea
Date of Completion	2008
Size	195,438 m² (42F ~ B8F)
Value	

Image







Equipment Selection ————

Classification	Type	Q'ty/HP
ODU	DVM PLUS II / DVM Water	75 / 71EA
IDU	LSP DUCT (11 ~14kW)	788 EA
Control	BMS	

- Management of air conditioning system
 - Centralized controller
- Special room temperature control : 0.1°C deviation

- Application of Mixed HVAC in Office Building
 - AHU : 60% (Central)
 - DVM : 40% (Individual)



Tower Palace



Reference Site

Project	Tower Palace
Location	Seoul, Korea
Date of Completion	2004
Size	A group of Seven Towers 42-72 Floors
Value	39.4M\$

Image







Equipment Selection

Classification	Туре	Q'ty / HP
ODU	DVM	3,614 EA
IDU	1 Way, 4 Way CST, Duct	17,731 EA
Control	Centralized Controller, DMS, S-Net 3	

- Management of air conditioning system
 - Integrated and centralized control system
 - DMS : PC, Web based centralized control system
 - Monitoring & Operation

- Specific air discharge structure for skyscrapers
- Minimize installation space
- Low-noise design



Hannam The Hill Town



Reference Site —

Project	Hannam The Hill Town
Location	Seoul, Korea
Date of Completion	2011
Size	A group of 32 towers, 12 floors
Value	-

Image



Equipment Selection —

Classification	Type	Q'ty / HP
ODU	DVM PLUS IV / SLIM	442
IDU	Cassette	2,950
Control	Centralized controller, Home Network	

Application Issue

- Management of air conditioning system
 - Centralized controller
 - Easy Control : Integrated home network interlock with air-conditioner

• CFD analysis for indoor selection & location



Songdo WorldMark



Reference Site

Project	Songdo World Mark
Location	In-cheon, Korea
Date of Completion	2010
Size	A group of 10 towers, 45 floors
Value	

Image





Classification	Туре	Q'ty / HP
ODU	DVM Water, DVM+4	382
IDU	1 Way / 2 Way / 4 Way	2,388
Control	Centralized controller, Home Network	

- Management of air conditioning system
 - Centralized controller
 - Easy Control : Integrated home network interlock with air-conditioner





Soowan Noble Land 13 Block



Reference Site -

Project	Soowan Noble Land 13 Block
Location	Gwang-ju, Korea
Date of Completion	2011
Size	A group of 10 towers, 24 floors
Value	

Image





Equipment Selection —

Classification	Туре	Q'ty / HP
ODU	DVM+4, DVM Home	659
IDU	1 Way / 2 Way / 4 Way	1,977
Control	Centralized controller, Home Network	

- Management of air conditioning system
 - Centralized controller
 - Easy Control : Integrated home network interlock with air-conditioner



Jong-am SK View



Reference Site -

Project	Jong-am SK View
Location	Seoul, Korea
Date of Completion	2011
Size	A group of 6 towers, 20 floors
Value	

Image



Classification	Type	Q'ty/HP
ODU	DVM+4	272
IDU	1 Way / 2 Way / 4 Way	942
Control	Centralized controller, Home Network	

- Management of air conditioning system
 - Centralized controller
 - Easy Control : Integrated home network interlock with air-conditioner



High-1 Resort



Reference Site

Project	High-1 Resort
Location	Gangwon-do, Korea
Date of Completion	2010
Size	A group of 10 towers, 45 floors
Value	-

Image



Equipment Selection ————

Classification	Туре	Q'ty / HP
ODU	DVM+3, DVM SLIM	596
IDU	1Way / 2W / 4W / Duct	1,952
Control	Room Controller	

- Management of air conditioning system
 - Wired remote controller

- Interior design
- Compact ducted units, Slim 1 Way Cassette



Reesom Resort



Reference Site

Project	Reesom Resort
Location	Chung-cheong, Korea
Date of Completion	2011
Size	50 Private Villa & 1 Hotel Bidg.
Value	-

Image







Classification	Туре	Q'ty / HP
ODU	DVM+4	114
IDU	1Way / 2W / 4W / Duct	1,224
Control	Room Controller	

- Whole houses are equipped with SAC
- Management of air conditioning system
 - Simplified remote controller

- Interior design
- Compact ducted units, Slim 1 Way Cassette



Jongro Pagoda Eng Institute



Reference Site

Project	Jongro Pagoda Eng Institute
Location	Seoul, Korea
Date of Completion	2011
Size	14 floors
Value	-

Image





Equipment Selection —

Classification	Туре	Q'ty / HP
ODU	DVM PLUS IV	36
IDU	Cassette	329
Control	DMS 2, S-NET3	

- PC based centralized control system
- S-Net 3 & DMS 2
- Function : Monitoring & operation
- Fully working during open hour (8AM ~ 10PM)



Jamsil Parkrio



Reference Site

Project	Jamsil Parkrio
Location	Seoul, Korea
Date of Completion	July, 2008
Size	5 floors
Value	0.5M US\$

Image



Equipment Selection —

Classification	Type	Q'ty / HP
ODU	DVM PLUS III	45
IDU	Cassette	352
Control	DMS	

- ODU Installation Space
- Group installation on the rooftop

- Noise from ODU
- Installation of soundproofing walls



Thank you