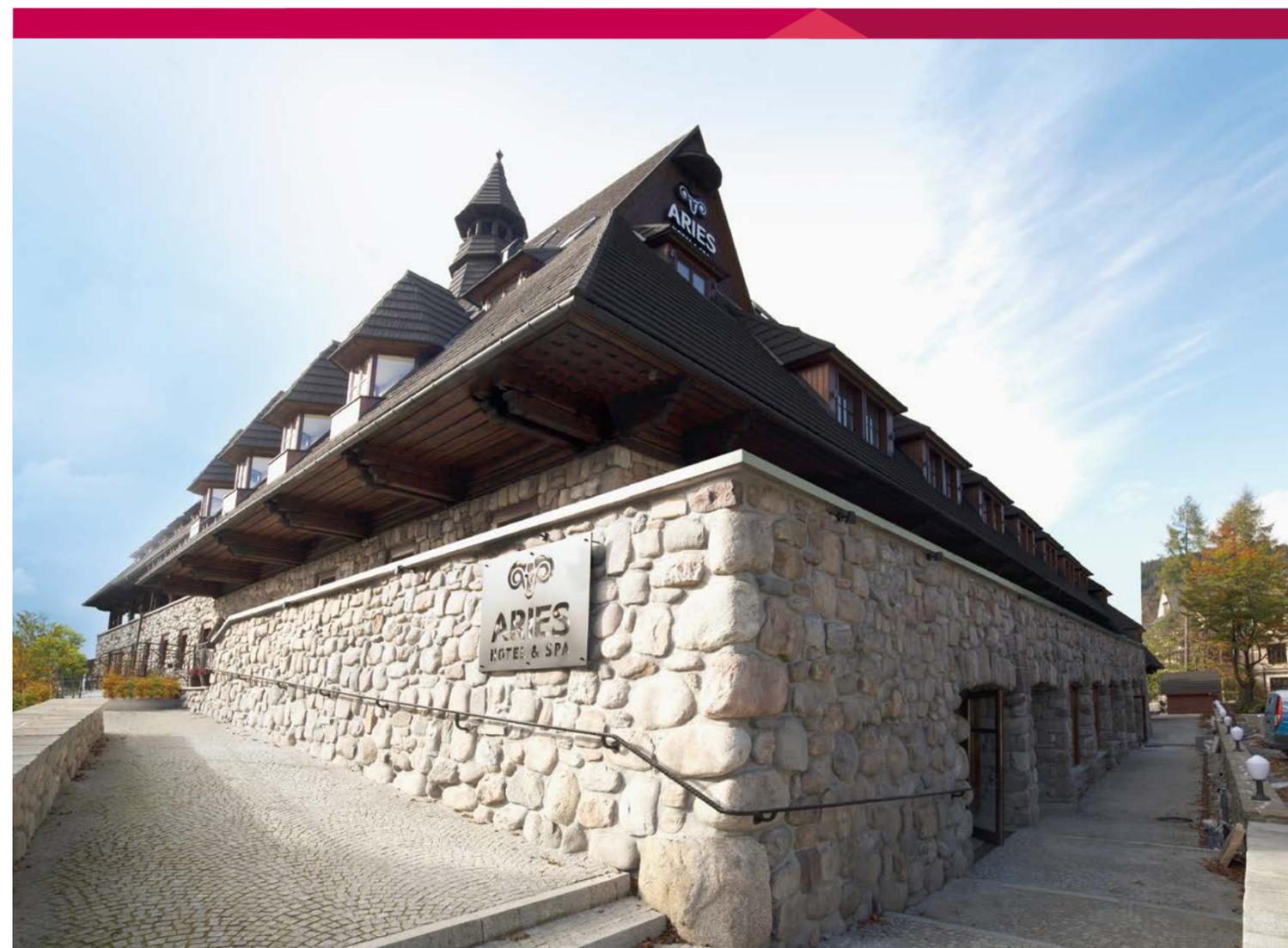




LG HVAC SOLUTION EUROPE REFERENCE SITES

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EUROPE SALES INFRASTRUCTURE

-  Europe B2B Regional Head Office
-  National Sales Office
-  Air Conditioning Academy
-  European Distribution Center
-  Europe Energy Lab
-  Production Site



GLOBAL PRODUCTION SITES



LG Energy Lab in Europe

Committed to meeting consumers' energy efficiency and environmental demands, LG has incorporated research from its cutting-edge Energy Lab into the design process. LG Energy Lab is an innovative site dedicated to developing the best commercial and residential heating and ventilation products as well as the latest air conditioning solutions. LG Energy Lab is equipped with complete monitoring and control systems. The performance of all products is tracked and analyzed by teams of Research and Development engineers based in France, Finland and Korea, ensuring the long-term efficiency and reliability of LG's products.



European Air Conditioning Distribution Center

LG's European Air Conditioning Distribution Center is located in Oosterhout, the Netherlands. Supplying and delivering products to European countries, this distribution hub has contributed to smooth and rapid delivery, direct shipping for smaller orders and delivery schedules tailored to LG's air conditioners and other products. The hub manages inventory efficiency by taking advantage of LG EU's established inventory pool.

TOTAL HVAC SOLUTION PROVIDER

Ever since becoming the first Korean air conditioning manufacturer in 1968, LG has remained at the forefront of global air conditioning innovation. LG has gone on to become the world's top selling manufacturer of residential air conditioning solutions and celebrated passing the 100 million unit sales mark in 2008. Building on its success and technological leadership in the residential air conditioning sector, LG has moved into system air conditioning as well.

The company's range of high performance system air conditioning products provides effective temperature control to large-scale buildings and facilities. Diversifying its product lineup, LG has been evolved into the total HVAC and energy solution provider. By investing in new technologies, LG has added chillers, VRF systems, and building management systems (BMS) to its comprehensive product portfolio. Along with its wide range of innovative solutions, LG delivers unrivalled customer service.

The company produces air conditioning professionals at its academies. With 80 academies located all over the world, LG provides its employees with workshops and training programs that offer invaluable hands-on experience. LG also offers useful tools and support for HVAC system engineers and installers such as its time saving LG Air Conditioner Technical Solution (LATS) software. In addition to these academies, LG operates several state of the art R&D facilities across the world.

Helping to keep the company ahead of the competition, the scientists and engineers at R&D facilities study the effects of different environmental conditions on LG's products. This in-depth research and analysis enables LG to tailor its solutions to the specific environmental demands of each individual market. Combining the best technologies, LG's high quality products are now improving the lives of customers in over 100 countries.

MULTI V IV Development Philosophy

LG's primary goal is to vitalize every environment - from small private residences to large-scale commercial buildings. To make this a reality, the company has developed a comprehensive range of innovative Heating, Ventilation and Air Conditioning (HVAC) products, as well as state-of-the-art energy solutions.

One such product is the advanced MULTI V Variable Refrigerant Flow (VRF), which delivers incredible performance and energy efficiency through a number of proprietary LG technologies. LG MULTI V IV is widely considered to be among the most powerful system air conditioners available. Providing exceptional comfort, energy efficiency and reliability, LG MULTI V IV is highly regarded by building managers, business operators and HVAC engineers. It also boasts a number of other benefits including heightened cost effectiveness and easier installation.

Thanks to significant advances in HVAC technology, VRF systems are now able to offer unmatched capabilities along with reduced energy consumption. Nevertheless, LG continues to focus on removing all the hidden causes of energy loss, thereby further improving operational efficiency and passing on considerable energy savings to the consumer.

Through close observation, testing, analysis and extensive R&D, LG has been able to drastically cut energy loss. The results of this endeavor can clearly be seen in the company's finest achievement to date, the new MULTI V IV. Going 'Beyond Your Standard,' the ground-breaking HVAC system possesses all of the strengths and none of the weaknesses in VRF system. One of LG's firmly held beliefs is that in order to be the best, one must offer the best.

Evolution of MULTI V

Year	Model	Key Features
2006	MULTI V	Ø7.0 Corrugate Fuzzy Algorithm AC Inverter R410A
2008	MULTI V II	Heat Recovery Ø7.0 Wide louver Fuzzy Algorithm LGDC Inverter
2010	MULTI V III	High Pressure Oil Return Continuous Heating Vapor Injection
2013	MULTI V IV	Active Refrigerant Control Variable Heat Exchanger Smart Load Control Smart Oil Control Vapor Injection (Advanced)

EUROVENT CERTIFIED PERFORMANCE
 LG Electronics participates in the Eurovent Certification Programme for Variable Refrigerant Flow (VRF); the certified models are listed in the Eurovent Directory.



"Aries Hotel & Spa" in Zakopane, Poland (Multi V IV)

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HOSPITALITY



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ARENA TOWERS

AMSTERDAM - NETHERLANDS

SITE INFORMATION Located in Amsterdam, Netherlands, the Arena Towers were the former headquarters of ABNAMRO bank before being bought by Holiday Inn. The new ownership transformed the former office buildings into two impressive hotels, the Arena Towers Holiday Inn and Holiday Inn Express. The towers have a total of 17 floors and 462 hotel rooms.

LG SOLUTION Holiday Inn requested an energy-efficient HVAC system with Heat Recovery for the whole complex. In addition, the client wanted a system that could provide central control for the entire building, but would also allow both hotels to manage their systems independently. The solution was found in the LG Multi V Heat Recovery system. With LG's advanced central control system, the client can save energy by setting a desired room temperature for the hotel's unoccupied rooms.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER
Multi V III Heat Recovery 1100kW	Low static duct x 462	BAC Gateway & BMS Priva

END USER BENEFITS	PARTNER BENEFITS
<ul style="list-style-type: none"> Reliable HVAC system Low energy consumption Heating and cooling Individual temperature control 	<ul style="list-style-type: none"> Easy installation



ARIES HOTEL & SPA

ZAKOPANE - POLAND

SITE INFORMATION The Aries Hotel & Spa is a four-star hotel located in the heart of Zakopane in Poland. As it is the first hotel to ever welcome tourists to Zakopane, this historic lodge has earned a reputation for luxury throughout the region. The hotel is designed in the tradition of its predecessor Zakopane's legendary Tourist House. With renovations finishing in 2014, Aries Hotel & Spa is eager to welcome back guests to Zakopane.

LG SOLUTION The MULTI V IV was chosen because its flexibility, small unit size and quiet operation helped to preserve the aesthetic purity of the hotel's classical architecture. The HVAC system allows for precise control of the temperature in any room, providing the hotel with superior energy efficiency, while still running quietly enough to avoid disturbing guests. By offering unrivaled installation flexibility, operational efficiency, and reduced maintenance costs, LG solutions were an excellent choice for Aries Hotel & Spa.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V IV 220kW	Wall mounted x 145 High static duct x 7 Ceiling & floor x 8 Ceiling suspended x 3 4-Way cassette x 5	AC Smart	<ul style="list-style-type: none"> · Low energy consumption · Low sound level · easy control · Wide temperature range 	<ul style="list-style-type: none"> · Flexible installation · Compact size · Modern design



CAMVILLIA RESORT

VOUNARIA MESSINIA - GREECE

SITE INFORMATION Decorated to harmoniously blend with its natural surroundings, Camvillia Resort is a 5 star boutique hotel in Vounaria Messinia, Greece. With stunning views over the Messinian Gulf and gardens, the resort promises its guests an unforgettable stay.

LG SOLUTION The resort required a solution that was able to maintain a high degree of comfort for all of its rooms and also efficiently heat 3000 liters of sanitary water. The key challenge for this project was to install the indoor and outdoor units so that they did not disturb the hotel's architectural harmony with its natural surroundings. LG's advanced HVAC system provided a perfect solution to the customer thanks to its precise temperature control, low operational noise level, and high energy efficiency. In addition, the flexibility of the system allowed for it to be installed in such a way as to preserve the hotel's distinct architecture.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V III 220kW Multi V III Heat Recovery 206kW	High static duct x 51 Hydro kit x 2 Eco V x 1 AHU DX x 1	AC Smart II	<ul style="list-style-type: none"> · Low energy consumption · Easy system monitoring · Low sound level 	<ul style="list-style-type: none"> · Easy installation · Compact design



PERLA ROYAL HOTEL

PRIMORSKO - BULGARIA

SITE INFORMATION An idyllic seaside resort, the Perla Royal hotel occupies some of the best real estate in the Burgas Province of southeastern Bulgaria. With 1 km² of pristine beach along the beautiful Black Sea, the Perla Royal hotel has earned itself a reputation for luxury and high quality service that is unmatched in the region. The hotel has a total of 59 rooms and 2 apartments.

LG SOLUTION The reliable and highly efficient LG Multi V IV was installed in the Perla Royal hotel, enhancing the hotel's ability to create a comfortable atmosphere for its guests. LG's team of technicians and partners' experts worked around the clock to ensure that the entire installation process was completed within the hotel's two month window.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V IV 190kW	Low static duct x 63 High static duct x 1	AC Ez	<ul style="list-style-type: none"> · Low energy consumption · Easy control · High comfort 	<ul style="list-style-type: none"> · Easy system design · Easy installation



ORPEA EPHAD

LA GARENNE - FRANCE

SITE INFORMATION ORPEA EPHAD is a specialized nursing home which opened in January 2014. Located in the Parisian district of La Garenne-Colombes, the facility is one of 176 homes owned by ORPEA CLINEA. The building has a sophisticated interior design with 120 comfortable rooms welcoming elderly people looking for the ideal nursing home.

LG SOLUTION This nursing home required an HVAC solution that provided a high level of comfort and silent operation that would not disturb the building's elderly residents. Furthermore, the system needed to meet French refrigerant regulations (i.e. EN378) and require only minimum space for installation. The LG Multi V was chosen because it met site conditions.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER
Multi V Sync III 160kW	Low static duct x 136	Standard

END USER BENEFITS	PARTNER BENEFITS
<ul style="list-style-type: none"> · Low sound level · Easy temperature control · Reliability 	<ul style="list-style-type: none"> · Easy installation · Short installation time



AMRÂTH HOTEL DU CASQUE

MAASTRICHT - NETHERLANDS

SITE INFORMATION Situated on the Vrijthof in the historic heart of Maastricht, the Amrâth Hotel Du Casque has become famous across Europe for its bold art deco design and history of quality service. The Amrâth Hotel Du Casque had extensive renovations in 2014, with updates to the building's HVAC system being one of the client's chief priorities.

LG SOLUTION As part of the renovation package, LG provided total B2B solutions for the Amrâth Hotel Du Casque including new HVAC systems, LED lighting and the company's latest TVs. Energy efficiency was of critical importance for the client, and LG was able to provide a solution that met the hotel's lofty standards. LED lighting enhanced the building's energy efficiency, while AC Smart Premium, the central controller, resulted in considerable energy savings.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER
Multi V IV Heat Recovery 100.8kW	Low static duct x 45 Wall mounted x 4	AC Smart Premium

END USER BENEFITS	PARTNER BENEFITS
<ul style="list-style-type: none"> · One partner for HVAC, LED lighting and TV · High comfort · Low energy consumption · Easy control 	<ul style="list-style-type: none"> · Easy installation · Compact design



RÖMERHOTEL

AAIEN - GERMANY

SITE INFORMATION Founded over 300 years ago in Aalen, Germany, the Römerhotel has a long history of providing the very best in luxury and comfort for its distinguished guests. The design of the building is inspired by the architecture of Ancient Rome. With 70 rooms and a total of 160 beds, ceremonial halls and training facilities, the Romerhotel has something to offer to every guest.

LG SOLUTION As the hotel is over 300 years old, indoor units could not be installed in the ceiling of the hotel's conference rooms. In order to install comfort solutions that would not clash with the hotel's decor, LG opted to use the Artcool Gallery as the preferred indoor unit. Portraits of scenes from ancient Rome were displayed in the Artcool Gallery's frames, adding to the hotel's Roman theme. Engineers also installed LG outdoor units that were able to function efficiently and silently.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V IV 28kW	ARTCOOL Gallery x 10	AC Smart Premium	<ul style="list-style-type: none"> Indoor unit design Low sound level 	<ul style="list-style-type: none"> Easy installation Advanced control system

COMMERCIAL



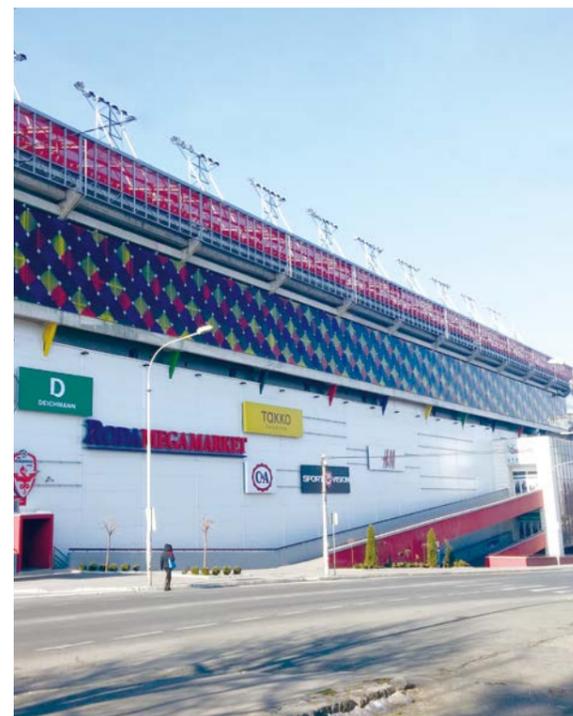
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30 TECHNOMARKET RING MALL

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34 SOCAR GAS STATION



STADION SHOPPING MALL

BEOGRAD - SERBIA

SITE INFORMATION The Stadion Shopping mall offers an entirely unique shopping experience. This mall located in Beograd in Serbia encompasses 75000m² of floor space and includes a variety of shops, restaurants and even a full soccer stadium. The mall's roof is home to the Serbian soccer team FC Vozdovac and its unique stadium. Located high above central Beograd, the stadium contains more than 5600 seats for fans and spectators.

LG SOLUTION The client had a strict timetable for the renovations, and needed an HVAC system to be installed within a tight timeframe. The engineering team overcame several challenges during installation, such as the facility's high ceiling and the client's strong desire for an optimal balance between fresh air and heating. The LG Multi V system was selected because it proved to be the ideal solution. The Multi V's simple installation process, flexible design, and high performance distinguished it from the competition and made the client seek out opportunities to work with LG.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V III 4368kW	Cassette x 340 Duct x 55 Eco V x 140	BACnet Gateway	<ul style="list-style-type: none"> · Easy control · High level of comfort 	<ul style="list-style-type: none"> · Easy installation · Flexible design · Compact size · High performance



TORRE CEPESA

MADRID - SPAIN

SITE INFORMATION The TORRE CEPESA is a skyscraper located in the bustling Cuatro Torres Business Area in Madrid. With a height of 250m, it is the tallest building in Spain, and it is considered one of the country's most prominent architectural symbols.

LG SOLUTION The client wanted an efficient, flexible HVAC solution that was able to implement the building's existing hydraulic loop. This led the engineers to select the LG Multi V Water IV for the project. With LG's technical support, different evaporation temperatures were taken into account and an efficient HVAC system was equipped to help the building reach the desired temperature. In addition, the Multi V Water IV's long piping between its indoor and outdoor units was an important feature as the building structure required a flexible HVAC system.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V Water IV 588kW	Low static duct x 47 High static duct x 8 Wall mounted x 13 Hydro kit x 4	LonWorks Gateway	· Low energy consumption	· Long piping · System compatibility



TECHNOMARKET RING MALL

SOFIA - BULGARIA

SITE INFORMATION Technomarket, the newest retail shop in Sofia's Ring Mall is an official distributor partner for many of the world's most renowned consumer electronics brands such as LG. Located on the mall's 1st floor, Technomarket encompasses 2439m² of floor space.

LG SOLUTION The client needed an HVAC solution that was able to ensure perfect comfort, high energy efficiency and long-term reliability. LG Multi V IV was chosen because it satisfies the client's primary needs with its low maintenance requirements, high usability and excellent performance. In addition, the compatibility and flexibility of the Multi V IV enabled technicians to connect the existing system to the new high static ducts.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V IV 280kW	4-Way cassette x 26 High static duct x 2	AC Smart Premium	<ul style="list-style-type: none"> · Easy control · Low maintenance requirement · Low energy consumption 	<ul style="list-style-type: none"> · Easy installation · System compatibility



BMW MINI

HAGUE - NETHERLANDS

SITE INFORMATION Completed in late February 2014, BMW's new MINI showroom in Hague is one of the company's most important locations in the Netherlands. It is one of the first BMW MINI shops in the country, and is designed and decorated in a modern, luxurious style.

LG SOLUTION As both a showroom for customers and an office for employees, a reliable HVAC system was required for the building. In addition, the client needed a system that was both energy efficient and fully compatible with an air curtain. LG Multi V system was chosen because it met all customer needs: it is highly efficient, reliable and compatible with many other devices.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V III 157 kW	High static duct x 10 Cassette x 4 ARTCOOL x 3 Air curtain (LG/Teddington)	AC Smart Premium	<ul style="list-style-type: none"> · Easy control · High level of comfort · Low energy consumption 	<ul style="list-style-type: none"> · System compatibility · High performance



SOCAR GAS STATION

BOTOSANI - ROMANIA

SITE INFORMATION The State Oil Company of Azerbaijan Republic (SOCAR) is Azerbaijan's state-owned oil and natural gas corporation. One of the largest oil companies in the world, SOCAR has over 14 gas stations located in the northeast of Romania near the border with the Republic of Moldova.

LG SOLUTION The main objective of this project was to provide cooling and heating for the gas stations, especially the open indoor spaces such as the shops, cafeterias and offices. An essential aspect required by SOCAR was equipment reliability because gas stations are open 24 hours a day all year round and have no alternative heating source. LG Multi V Mini was chosen because it proved to be reliable in many projects that required continuous system operation.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V Mini 15.5KW	High static duct x 2	Standard	<ul style="list-style-type: none"> Product reliability Low energy consumption 	<ul style="list-style-type: none"> Easy installation High reliability Product performance

OFFICE



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EDIFICIO VILLA DE MADRID

MADRID - SPAIN

SITE INFORMATION Edificio Villa de Madrid is an office building in Madrid, Spain. The building has a total of 8 floors. 5 floors above ground are mainly used for offices and 3 underground floors are primarily used for parking. The total size of the building's area is about 28000m².

LG SOLUTION It was important for the client to choose an HVAC solution that was flexible, energy efficient, and highly durable. For these reasons, the LG Multi V Heat Recovery system was chosen. This system provided Edificio Villa de Madrid with an ideal solution that satisfied all of their stated needs: great operational efficiency, long piping between the outdoor and indoor units, and compatibility with air handling units.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER
Multi V III Heat Recovery 2133kW	Duct x 260	AC Smart Premium
Multi V III 291kW	AHU x 12	
Multi V Mini 39kW		

END USER BENEFITS	PARTNER BENEFITS
<ul style="list-style-type: none"> · Low energy consumption · Easy control 	<ul style="list-style-type: none"> · Easy installation · Long piping



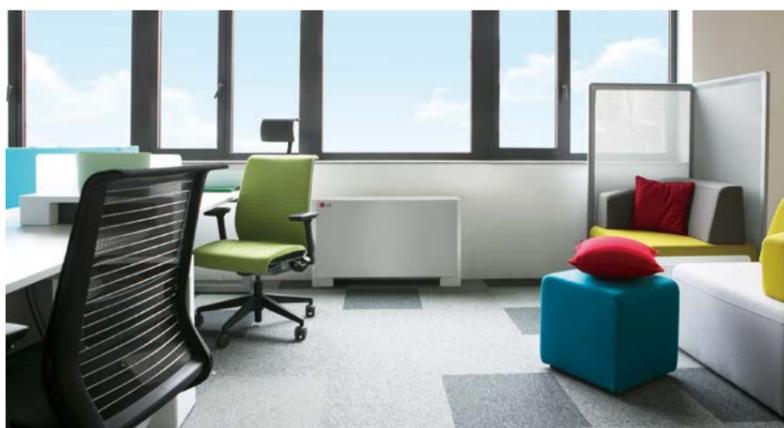
BOUYGUES CHALLENGER

GUYANCOURT - FRANCE

SITE INFORMATION The industrial group Bouygues was established in France in 1952. It now maintains operations in 80 countries and employs more than 131000 people. In 1988, after two years of construction, the new headquarters for Bouygues Construction was officially opened for business. Named Challenger, the complex became a technological showcase for late 20th century architecture.

LG SOLUTION Bouygues decided to convert their headquarters into an eco-friendly building by significantly reducing its energy footprint. The LG Multi V Water system was chosen as the ideal HVAC solution for this project. The system not only saves energy but also reduces water usage as it recycles water in order to regulate the temperature of the building. With LG's advanced technology, the building's water consumption was reduced by more than 70 percent.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V Water II 2000kW	Duct x 500	BMS	<ul style="list-style-type: none"> · Low energy consumption · Low sound level · Easy control 	<ul style="list-style-type: none"> · Easy installation · Flexible design · Compact size



PROMENADE ZITA

WROCLAW - POLAND

SITE INFORMATION Promenade ZITA is an office building in the PROMENADY Wrocławskie complex located near the city center of Wrocław, Poland. The complex was designed to revitalize the urban center of Wrocław and contains many restaurants, shops and offices. The Promenade ZITA building consists of 7 floors with an area of around 21000m².

LG SOLUTION The complex required an HVAC solution that was able to run quietly without disturbing tenants and that required a low level of maintenance. In addition, the client desired a heating system that secures excess heat in order to reduce energy loss. Therefore, the LG Multi V IV Heat Recovery system with BMS was chosen because it was the ideal solution for the project, able to heat and cool the whole building.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V IV Heat Recovery 554kW Multi V IV 95kW	Floor standing x 144 4-Way cassette x 22	ACP BACnet	<ul style="list-style-type: none"> · Low noise level · Low maintenance cost · Eco friendly solution 	<ul style="list-style-type: none"> · Easy installation · System compatibility



COMANDO III REGIONE AEREA

BARI - ITALY

SITE INFORMATION The Aeronautica Militare (Italian Air Force) headquarters of the Comando 3^a Regione Aerea (3rd Air Region Command) is located in Bari, Italy. With an area of approximately 14500m², this building is not only a training facility for the Air Force but also an office building for military officials.

LG SOLUTION Originally the building had a central heating system with traditional radiators. Because it required a new, advanced HVAC system, LG analyzed possible ways to improve energy efficiency by reducing energy consumption, and selected LG Multi V as the best solution. With the Multi V's easy, precise control of each indoor unit, the client can save energy by setting the desired temperature of each room. In addition, LG Multi V's superior energy efficiency and easy installation are excellent side benefits for both the client and the installer.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V III 798kW	Wall mounted x 141 Duct x 23 Cassette x 23 Floor standing x 4	ACP	· Easy control · Low energy consumption	· Easy installation



EDIFICIO COLONIAL FRANCISCO SILVELA 42

MADRID - SPAIN

SITE INFORMATION Colonial is one of the leading players in the Spanish and European property sector. Colonial's Francisco Silvela 42 is a new building in Madrid with 5725m² of floor space. The group has a high standard so it selects most advanced technologies for its workplace.

LG SOLUTION Colonial wanted to replace the building's old HVAC equipment with a more efficient, quiet system. After careful evaluation of different equipments, Colonial chose the LG Multi V IV as it perfectly satisfied their requirements. The client was also impressed by the LG Multi V's advanced control solution. With the AC Smart and ACP BACnet, control interfaces, the client now has increased ease of control over the complex HVAC system.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V IV 459kW	Duct x 58 Cassette x 24	AC Smart+ACP BACnet	<ul style="list-style-type: none"> · Low energy consumption · Low sound level · Easy control 	<ul style="list-style-type: none"> · Easy installation



MOBIS WAREHOUSE

ÉRD -HUNGARY

SITE INFORMATION MOBIS (Mobile and System) is a South Korean auto parts company which is part of the Hyundai Motor Corporation. The company recently built a warehouse and office building in Érd, a city close to Budapest, Hungary. The new facility conducts sales and logistics functions for middle and eastern Europe.

LG SOLUTION The temperatures in Érd are low during the winter. Therefore, LG Multi V IV was chosen for this facility because it is a reliable system, maintaining high level of performance even in extreme weather. In addition, LG's Heat Recovery system simultaneously provides cooling and heating depending on the requirements of individual rooms.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V IV Heat Recovery 129kW Multi V IV 56kW	4-Way cassette x 30 AHU-kit x 2	AC Smart Premium	<ul style="list-style-type: none"> · Low sound level · Easy control · Compact size 	<ul style="list-style-type: none"> · Easy installation · Long piping · Product performance

PUBLIC FACILITY & HEALTHCARE



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AUDIENCIA NACIONAL

MADRID - SPAIN

SITE INFORMATION The Spanish national court (Audiencia Nacional) located in Madrid, is a special high court that has jurisdiction throughout the whole country. The building's 9 floors required refurbishment in order to provide better environment for both staff and visitors. Because of the importance of this building, the client selected the most advanced HVAC system to replace its older system.

LG SOLUTION This building needed an HVAC solution that could guarantee both consistent comfort and the highest level of energy savings. It also required a system that was compatible with its existing air handling units. LG Multi V system was selected because the system is highly efficient and reliable, fulfilling all of the customer's requirements.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V III Heat Recovery 935kW Multi V IV 358kW Multi V Mini 14kW	Duct x 226 Wall mounted x 10 Console x 17 Floor standing x 2	ACP & AC Manager	<ul style="list-style-type: none"> · Low energy consumption · Reliability 	<ul style="list-style-type: none"> · Easy installation · System compatibility





HANKOOK DORMITORY

RACALMAS - HUNGARY

SITE INFORMATION Hankook Tire, a Korean manufacturer, built its first Hungarian factory in Dunaújváros near Budapest in 2007. In 2011, the facility was extended to include a dormitory. Hankook Dormitory was designed in a modern style with over 250 rooms. The aim of this facility was to provide the employees with comfortable home-like accommodations.

LG SOLUTION An energy-efficient heating and cooling solution was essential since the dynamic and modern architecture of this building is very similar to a hotel. The LG Multi V was selected because the system met the client's design and compliance requirements. The outdoor units were carefully hidden on the roof. The dormitory was fitted with diverse types of indoor units and all of them were controlled through the central control system including the ACP and AC Manager.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V III 1000kW	Low static duct x 364 4-Way cassette x 4 Wall mounted x 24	ACP & AC Manager	<ul style="list-style-type: none"> · Low sound level · Easy control · Energy saving 	<ul style="list-style-type: none"> · Easy installation





EX ONPI

L'AQUILA - ITALY

SITE INFORMATION Ex Onpi is a home for elderly people located in L'Aquila, central Italy. This public facility offers medical assistance, personal care, and psychological support to its patients. It covers an area of 16500 square meters, consisting of 5 floors and a basement. In addition to 240 bedrooms, the facility includes common areas such as a restaurant, a living room and a gym.

LG SOLUTION The L'Aquila area reaches very low temperatures during the winter. Therefore, LG Multi V system was chosen for this facility due to its reliability and ability to maintain high performance levels even in extreme weather conditions. This system uses the split-defrost technology for its heating operation, which provides consistent heating for the indoor environment and thus improves comfort.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V III 829kW	Duct x 132 Cassette x 111 Console x 20 Wall mounted x 7	AC Smart	· Easy control · Reliability · High performance	· Easy installation



AEGEAN UNIVERSITY

RHODES ISLAND - GREECE

SITE INFORMATION Aegean University is located on the beautiful island of Rhodes. The campus' new eco-friendly renovations offer modern students a unique opportunity to pursue their studies in the ancient cradle of western civilization. The building for renovation was built in 1984 and is comprised of 3 floors including teaching offices and meeting rooms.

LG SOLUTION LG Multi V Heat Recovery was selected as the building's HVAC system in order to reduce power consumption and maximize energy efficiency. The small size of heat recovery boxes allowed the entire system to be installed in the limited space available. Also, the LG BACnet Gateway interface satisfied the client's need for central control of the HVAC system.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V III Heat Recovery 213kW	High static duct x 62 Floor standing x 14 Eco V x 9	BACnet Gateway	<ul style="list-style-type: none"> · Individual operation · Centralized control · Low energy consumption 	<ul style="list-style-type: none"> · Flexible installation



HOSPITAL DE SANTIAGO

SANTIAGO - PORTUGAL

SITE INFORMATION The Hospital de Santiago is a private hospital located in Setubal in the south of Portugal. Equipped with the latest medical technology, the health care facility offers a wide range of medical consultations, surgical specialties, and complementary diagnostics procedures. The facility covers an area of 5000 square meters, consisting of 4 floors and basement.

LG SOLUTION In order to meet increased demand, the hospital required remodeling and extensions. The hospital chose LG Multi V IV for its newly constructed sections because it met the needs of the refurbishment with its extended piping length, efficient space utilization, high efficiency and low operational noise.

OUTDOOR UNIT	INDOOR UNIT	CONTROLLER	END USER BENEFITS	PARTNER BENEFITS
Multi V IV 39.2kW	4-Way cassette x 11	AC Smart	<ul style="list-style-type: none"> · Energy saving · Low noise 	<ul style="list-style-type: none"> · Easy installation · Compatibility · Compact size