

Mitsubishi Electric Press Conference – Opening of new German Branch

Mitsubishi Electric's new building awarded Platinum LEED certification

- **New German Branch receives award that recognizes environmentally-conscious, resource-efficient and sustainable buildings.**
- **Comprehensive set of measures rates buildings for ecological quality**
- **New building scores high for low energy consumption and air quality**
- **Heat recovery system reduces operating costs and increases sustainability**

Ratingen, 04 March 2016 – Mitsubishi Electric Europe B.V. will receive the highest grade Platinum LEED certification for its newly constructed German Branch building. Leadership in Energy and Environmental Design (LEED) is a label used in the classification of environmentally-friendly, resource-efficient and sustainable buildings.

The certification scheme focuses on energy consumption, which is largely determined by a building's technical equipment. To help achieve these ambitious targets, the new office building has been equipped with a City Multi VRF-R2 heat pump system. These energy-saving facilities are supported by automation technologies for energy management along with a host of other technologies from Mitsubishi Electric. All together they offer an alternative to the conventional fossil-fuel-based heat supply.

Extensive set of measures for LEED certification

The cost of heating and cooling is a significant factor in the economic efficiency of a building. This is reflected in the certification by the internationally renowned building energy label LEED. LEED certification assesses a building over its entire life cycle with reference to an extensive set of measures.

The 'Energy and Air Quality' category examines the energy consumption of a building. Innovative solutions that can contribute to lowering energy consumption make up 35 percent of the total LEED certification result. The focus is on long-term solutions that deliver above-average energy efficiency and low operating costs, requirements that classic building technologies struggle to meet.

Targeting low life-cycle and investment costs

Technological solutions from various Mitsubishi Electric product divisions have made it possible for the new building to meet these criteria but factors outside of cost need to be considered as well. "Just looking at the bottom line when planning a building is no guarantee for minimising costs. The focus must instead be on life-cycle costs," explains Holger Thiesen, General Manager Living Environment Systems at Mitsubishi Electric.

This can be guaranteed by using the VRF-R2 heat pump technology with heat recovery function that allows heating and cooling at the same time using just two pipes in simultaneous operation. This technology allows for considerable energy to be saved with low operating costs and is a future-ready alternative that helps to enhance the value of a property in the long term.

A plethora of products and solutions from the Factory Automation Division are used to gather, monitor and store information about energy consumption. Thanks to this monitoring and the option of operational intervention, the Factory Automation Division has played a key role in achieving the highest energy efficiency classification. It has therefore made an important contribution to gaining LEED certification for the new Mitsubishi Electric headquarters in Germany.

More information is available from Mitsubishi Electric Europe B.V., Mitsubishi-Electric-Platz 1, 40882 Ratingen, Germany Phone: 00 49 (0) 21 02 - 4 86 - 0, E-mail: pr@meg.mee.com, www.mitsubishielectric.de

About Mitsubishi Electric

For over 90 years Mitsubishi Electric Corporation has supplied both corporate clients and general consumers all over the world with high quality products from the information processing and communications, space development and satellite communication, consumer electronics, industrial technology, energy, transportation and building equipment as well as air conditioning and heating technology sectors. With around 129,000 employees, the company recorded consolidated group sales of \$36 billion* in the fiscal year ended 31 March 2015. Sales offices, research and development centres and manufacturing plants are located in over 30 countries. Mitsubishi Electric has been represented in Germany as a subsidiary of Mitsubishi Electric Europe since 1978. Mitsubishi Electric Europe is a wholly owned subsidiary of Mitsubishi Electric Corporation in Tokyo.

* Exchange rate 120 yen = 1 US dollar, dated 31.03.2015 (Source: Tokyo Foreign Exchange Market)

Further information:

<http://global.mitsubishielectric.com>
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