

AIXTRON receives Energy Efficiency Award 2017

Innovative, low-resource energy concept sustainably decreases energy consumption and lowers costs

Herzogenrath/Germany, November 21, 2017 – AIXTRON SE (FSE: AIXA), a worldwide leading provider of deposition equipment to the semiconductor industry, has been distinguished with the Energy Efficiency Award 2017 of the German Energy Agency (dena) in the category “Energy efficiency 4.0” for its digital measurement and remote monitoring of energy data as well as for carrying out extensive energy efficiency measures in heating and cooling systems.

In 2014, AIXTRON initiated the project to examine the energy management at the company’s headquarters in Herzogenrath (in the urban region of Aachen), as the generation of the required cooling and heating volumes required a high amount of power despite the modern and highly efficient systems. Together with the energy service provider SPIE Energy Solutions GmbH, different energy efficiency measures were developed based on a thorough analysis and subsequently implemented, as well.

The result is a lasting reduction of the power consumption by at least 6.4 GWh/year which leads to a reduction of CO₂ by 1,884 t/year¹ as well as cost savings in the amount of 211,000 €/year². These figures also impressed the judges panel at the Energy Efficiency Awards, who especially emphasized the continuous and committed planning and execution of the energy efficiency measures in their evaluation of the excellent project.

“With the help of extensive analysis and the subsequent implementation of energy efficiency measures in collaboration with SPIE Energy Solutions, we were able to reduce the energy and gas consumption of our heating and cooling systems by at least 74%³ as well as the corresponding energy costs by more than 40%. That way, our investments in an innovative, digitally controlled energy management system will be amortized in just a few years” explains Karl-Heinz Göbbels happily, the head of facility management at AIXTRON and one of the successful project’s initiators.

Dr. Bernd Schulte, President of AIXTRON SE, says: “This award confirms the excellent work our project team does, which does not only benefit our company. For by reducing the energy consumption and consequently also decreasing the connected CO₂ emissions, we actively contribute to easing the environmental burden in Aachen’s urban region as well as handling the crucial resource that energy is more consciously and efficiently.”

For further information please contact

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The German Energy Agency (dena) issues the Energy Efficiency Award as part of their EnergieEffizienz initiative. The international competition is under the auspices of Federal Economics Minister Brigitte Zypries. It is fostered by the Federal Ministry for Economic Affairs and Energy (BMWi) as well as by the premium partners Danfoss and KfW.

¹ calculations for electricity (565 grams CO₂/kWh) and gas (289 grams CO₂/kWh) are based on the global emissions model integrated systems (GEMIS)

² assumed electricity price: 0.15 €/kWh, assumed gas price: 0.03 €/kWh

³ regarding the electricity and gas consumption for heating and cooling systems

About AIXTRON

AIXTRON SE is a leading provider of deposition equipment to the semiconductor industry. The Company was founded in 1983 and is headquartered in Herzogenrath (near Aachen), Germany, with subsidiaries and sales offices in Asia, United States and in Europe. AIXTRON's technology solutions are used by a diverse range of customers worldwide to build advanced components for electronic and opto-electronic applications based on compound, silicon, or organic semiconductor materials. Such components are used in a broad range of innovative applications, technologies and industries. These include LED applications, display technologies, data storage, data transmission, energy management and conversion, communication, signaling and lighting as well as a range of other leading-edge technologies.

Our registered trademarks: AIXACT[®], AIXTRON[®], Atomic Level SolutionS[®], Close Coupled Showerhead[®], CRIUS[®], Gas Foil Rotation[®], OVPD[®], Planetary Reactor[®], PVPD[®], TriJet[®]

For further information on AIXTRON (FSE: AIXA, ISIN DE000A0WMPJ6) please visit our website at: www.aixtron.com.

About SPIE Deutschland & Zentraleuropa

SPIE Deutschland & Zentraleuropa, a subsidiary of the SPIE group, the European independent leader in multi-technical services in the areas of energy and communications, is the leading multi-technical service provider for buildings, facilities and infrastructure in Germany, Austria, Poland, Czech Republic, Slovakia and Hungary. Its service range encompasses technical facility management, energy-efficiency solutions, technical services for the transmission and distribution of energy and services for industrial clients as well as services in the areas of mechanics, electrical and security technology, heating, air-conditioning, ventilation technology and information, communications, network and media technology.

With 38,000 employees working from close to 600 sites in 38 countries, SPIE achieved in 2016 consolidated revenues of €5.1 billion and -consolidated EBITA of €352 million.

SPIE Deutschland & Zentraleuropa has more than 14,500 employees in over 200 locations.

Further information at: www.spie.de.

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