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Mitsubishi Electric reduced CO₂ emissions by 35 percent, saving 40,000 cubic meters of water

Environment Friendly Technologies From Mitsubishi Electric for the Future of the World

Mitsubishi Electric, one of the world's leading environment friendly companies, aims to cut carbon dioxide emissions from product use and production by 30 percent by the year 2021, which is its 100th anniversary. At this point, the brand's 2017 Environmental Report reveals that significant steps have been taken to achieve the targets. According to the report on the reduction of total annual greenhouse gas emissions to 1.34 million tons; while CO₂ emissions were reduced by 35 percent, 40,000 cubic meters of total water consumption was saved. CO₂ emissions were reduced to 260,000 tons, while energy-derived CO₂ emissions were reduced by 23,000 tons. Mitsubishi Electric which draws attention with its technological products that are environment friendly at every stage of the product cycle from production to recycling, is also an ambitious solution partner for air conditioning, automation, elevator, escalator and visual data systems of environment friendly buildings, facilities and infrastructure projects in Turkey.

Utilizing its advanced technology to improve the quality of life of communities around the world and to provide a sustainable world for future generations, Mitsubishi Electric shapes all its activities in the direction of its goal of becoming a "global and leading environment friendly" company. Mitsubishi Electric, working to raise the level of

eco-consciousness of both its employees and the community, within the context of the "Eco Changes" principle, which expresses the stance of environmental management, has set important environmental targets until 2021 which is its 100th anniversary. Within this scope; **Mitsubishi Electric Turkey President Şevket Saraçoğlu** stated that they aim to reduce carbon emissions of the society, create a society based on recycling, respect for biological diversity and adapt to nature and increase environmental awareness and added that "As Mitsubishi Electric Corporation, we aim to reduce the CO₂ emissions arising from product use by 30 percent compared to fiscal year 2001 in parallel to our 2021 targets, and the CO₂ emissions arising from production by 30 percent compared to fiscal year 1991. At this point, our 2017 Environment Report reveals that important steps have been taken towards reaching our targets."

Greenhouse gas and CO₂ emissions reduced with a performance above the target



According to the Environmental Report for Mitsubishi Electric's fiscal year 2017 (April 1, 2016 - March 31, 2017), Şevket Saraçoğlu reported that the basic targets were reached and added the following information on the report results: "Mitsubishi Electric Corporation succeeded in reducing total annual greenhouse gas emissions to 1.34 million tons, to a figure down from its target of 1.43 million tons, as a result of activities such as renewal of production facilities and review of operational processes. Through the replacement of air conditioning and lighting and the adoption of Internet of Things (IoT)

technologies in the plants, productivity in production has increased, resulting in a reduction of 23,000 tons of CO₂ emissions arising from energy sources. The CO₂ emissions caused by the 106 Mitsubishi Electric eco-products, primarily industrial mechatronics products and electrical appliances, were reduced by 35 percent with a performance above the target. Non-CO₂ emissions were reduced to 260,000 tons on the basis of CO₂ equivalents."

40,000 cubic meters of savings in total water consumption

Using water risk assessment tool WRI Aqueduct developed by Mitsubishi Electric Corporation (WRI-World Resources Institute), Saraçoğlu has given priority to the global production fields that are most needed for water risk measures, resulting in total water consumption of 40,000. Saraçoğlu also underlined that the brand contributed to the improvement of the cumulative water recycling rate through some measures such as the reuse of treated wastewater in cooling systems.

About Mitsubishi Electric Corporation

With over 95 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavors to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 4,238.6 billion yen (US\$ 37.8 billion) in the fiscal year ended March 31, 2017. For more information visit: www.MitsubishiElectric.com*

** It was calculated by 1 USD = 112 Yen exchange rate announced by the TTokyo Foreign Exchange Market on March 31, 2017.*

About Mitsubishi Electric's Activities in Turkey

Mitsubishi Electric's main fields of activity in Turkey are; air conditioning systems, factory automation systems, CNC mechatronic systems, and advanced robotics. In addition to these activities, the company also supports satellite, elevator, visual data systems, power supplies and transport infrastructure. Mitsubishi Electric, the producer of Turksat 4A and 4B satellites, which contributes to the communication and publishing infrastructure of Turkey and neighboring countries, is notable for its satellites as well as the automation technology used in the Marmaray project. In April 2016, Mitsubishi Electric, which has established a domestic air conditioning development and production company in Turkey, is preparing to make production in January 2018 in the Manisa factory. For more information; tr.mitsubishielectric.com