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Mitsubishi Electric has assertive targets for 2021 with an environmental investment of US\$ 45 million...

TECHNOLOGY FOR A SUSTAINABLE WORLD AND HUMANITY

Making steady progress to become a global, leading green company, Mitsubishi Electric uses its high technology to improve the quality of life of the humanity all over the world. Mitsubishi Electric, acting based on the awareness that climate change is the most challenging obstacle for a sustainable world, aims to reduce carbon dioxide emissions arising from use and manufacture of products by 30 percent till 2021 which marks its 100th anniversary. Environmental Report 2016 of the Group confirms that this target has been achieved to a great extent. During the reporting period, the investment made for environmental initiatives reached almost US\$ 45 million. Following the launch of the first large scale, high-purity plastics recycling system in Japan, Mitsubishi Electric succeeded in increasing the ratio of recycled plastics from 6 percent to 70 percent. Focusing on HVAC and automation businesses in Turkey, the corporation is known to be an assertive solution partner for HVAC and automation systems of eco-friendly buildings, facilities and infrastructure projects.

Environmental regulations and measures become increasingly more important as the impact of global climate change is exacerbated and energy efficiency becomes critical due to a reduction of natural resources. In that regard, Mitsubishi Electric makes efforts to create a brighter future with technological innovations as a global, leading green company. It contributes to a sustainable world by means of the projects it develops for residences, office spaces, factories, infrastructure and even space.

Environmental targets for 2021...

Mitsubishi Electric, in line with its environmental statement, “**Eco Changes**”, makes

efforts to increase the environmental awareness of not only its employees but also the society as a whole and performs all its activities in line with that statement. Explaining that the brand undertakes all its operations with due regard for this statement, **Mitsubishi Electric Turkey President Masahiro Fujisawa** said:

“As Mitsubishi Electric comes closer to 2021, the 100th anniversary, it acts in line with “Environmental Vision 2021”, a long-term environmental management vision. In that respect, we aim to create a low-carbon and recycling-based society with due respect for biological diversity which requires reinforcing adaptation to nature and increasing environmental awareness.”

30 percent reduction of carbon emissions

Remarking that Mitsubishi Electric acts based on the awareness that climate change is the most challenging obstacle for a sustainable world, Masahiro Fujisawa explained 2021 objectives of the brand as follows:

“In line with our objectives for 2021, we aim to reduce CO₂ emission arising from use of products by 30 percent in 2021 compared to the fiscal 2001 in order to help reduce carbon emissions. We endeavor to improve energy saving innovative products and make them more widespread for that purpose. As a preliminary condition for sustainable growth, we aim to reduce CO₂ emission arising from manufacturing operations of Mitsubishi Electric by 30 percent in 2021 compared to the fiscal 1991.”

Objectives are achieved according to Environmental Report 2016

Referring to the fact that Mitsubishi Electric recently announced its Environmental Report for Japanese fiscal 2016 (1 April 2015 - 31 March 2016), Fujisawa explained that the fundamental objectives have been attained and environmental management has been reinforced all over the world. Fujisawa, indicating that around US\$ 45 million has been invested in environmental initiatives in the reporting period, explained the outcomes detailed in Environmental Report 2016:

“Mitsubishi Electric Corporation reduced total annual greenhouse gas emissions to 1.28 million tons. Thus, it attained a level around 120,000 tons lower than the target of 1.4 million tons. Energy loss was reduced by 13,000 tons by replacing air-conditioners, power generators and lighting in facilities and by another 11,000 tons by installing and

utilizing energy monitoring and control systems. Carbon dioxide emissions generated by 107 Mitsubishi Electric eco-products were reduced by 34 percent on average compared to fiscal 2001.

We perform our operations with due respect for biodiversity to ensure harmony with nature and foster environmental awareness. We give the opportunity to the employees to take part in conservation activities so as to encourage them to observe nature and take individual action for the sake of environment in addition to engaging in nature conservation activities to restore damaged woodland environments. According to Mitsubishi Electric Group's Environmental Report for 2016, Mitsubishi Electric attracted 4,700 participants, compared with a target of 3,500, to its nature-oriented public-awareness activities. E-learning programs for environmental management were expanded to 98 affiliates worldwide, helping to foster greater environmental awareness in the Mitsubishi Electric ecosphere."

The first large scale, high purity plastics recycling system in Japan

Explaining that Mitsubishi Electric has developed sustainable resource cycles by reducing waste output, reusing the resources and recycling them to be used for other domains to create a recycling-based society, Fujisawa indicated that the company has introduced Japan's first large scale, high-purity plastics system to that end. Fujisawa further explained that the recycling factories of Mitsubishi Electric produce recycled plastics to be used for manufacturing new products based on the technology developed a technology for segregating, rehabilitating and recycling different types of plastic materials available in used home appliances with a purity of 99 percent and above. Stating that this high technology of Mitsubishi Electric makes it possible to increase the ratio of recycled plastics in new products up to approximately 70 percent, Fujisawa told that before the development of that technology, solely 6 percent of plastics could be recycled for being used in new products.

"Solution partner for eco-friendly projects"

Underlining that Mitsubishi Electric develops all products and solutions based on the principles of high technology, high quality and energy efficiency, Fujisawa provided the following information with respect to the operations of the affiliate in Turkey:

“As a recognized world leader in electrical and electronic equipment and automation business, we provide significant energy saving in enterprises and projects thanks to the user-friendly and long-lasting automation solutions in Turkey. We guarantee high efficiency with respect to speed control and lighting control system applications. We enable the factories to optimize their manufacturing lines for faster and more efficient manufacturing operations with e-F@ctory platform, digital factory concept developed by Mitsubishi Electric in response to Industry 4.0. Thus, we enable them to realize energy saving, as well.

Mitsubishi Electric is also a recognized world leader in room, office and industrial air-conditioning systems. In addition to producing solutions for varying climate conditions, we aim to provide seamless performance ensuring maximum energy efficiency based on an eco-friendly approach till the expiration of the system life. All Mitsubishi Electric air-conditioners are categorized in A, A+, A++, A+++ energy classification according to Seasonal Efficiency Criteria. Also, Mitsubishi Electric meets hot and cold water requirement as part of the HVAC system thanks to the heat pump technology used for air-conditioners. The system which is mainly preferred for hotels, hospitals, schools, gyms and similar commercial buildings increases energy efficiency to a great extent.

In that regard, Mitsubishi Electric is known to be an assertive solution partner for HVAC and automation systems of eco-friendly buildings, facilities and infrastructure projects in Turkey as in the rest of the world.”

About Mitsubishi Electric Corporation

With over 90 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) 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 4,394.3 billion yen (US\$ 38.8 billion) in the fiscal year ended March 31, 2016. For more information visit: www.MitsubishiElectric.com*

** At an exchange rate of 113 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2016.*

Operations of Mitsubishi Electric in Turkey

Mitsubishi Electric mainly deals with sales and after-sales services of air-conditioning systems, factory automation systems, CNC mechatronic systems and advanced robot technologies in Turkey. The company also provides support for satellites, elevators, visual data systems, power sources and transportation infrastructure projects. Mitsubishi Electric is distinguished for manufacturing Turksat 4A and 4B satellites which contribute to the communications and broadcasting infrastructure in Turkey and neighboring countries as well as the automation technology used for Marmaray project. Incorporating a room air-conditioner development and manufacturing company in Turkey in April 2016, Mitsubishi Electric is currently making preparations for undertaking manufacturing operations in Manisa plant in January 2018. For more information visit: www.mitsubishielectric.com.tr