

CLIMAVENETA

# PROJECT FOCUS



## ENERGY EFFICIENCY PROCESS AT TOYOTA MOTOR ITALIA HEADQUARTERS IN ROME

The issue of environmental sustainability is now one of the primary objectives for forward looking companies. When the paths of these companies meet, large collaborative projects are born, which are good for the economy, society, and the environment.

This is the case of **Toyota Motor Italia**, which, together with **Mitsubishi Electric** and **Sodexo Italia**, has started an important energy efficiency process at its headquarters in Rome, in line with the global **Toyota Environmental Challenge 2050** strategy.

*"This is a holistic plan of Toyota globally – says **Giuseppe de Nichilo**, HR, Corporate Planning & Facilities General Manager, of Toyota Motor Italia – which has the ambition to eliminate environmental impacts of managing of our business by 2050. From production to the end-use, to the decommissioning of cars, the goal is total life-cycle sustainability of the cars. With this in mind, in recent years we have worked hard to minimize the environmental impact of our headquarters through a significant investment plan aimed at improving the energy efficiency of buildings (18,000 m<sup>2</sup>), which has allowed Toyota Motor Italia, in 2019, to reduce energy consumption by 16%, thanks for example to the introduction of LED technology for 100% of the light bulbs in our headquarters and the renovation of the air conditioning system."*



## TOYOTA MOTOR ITALIA HAS A NEW AIR CONDITIONING SYSTEM



Thanks to a careful energy analysis, two new **multi-purpose air-source units**, supplied by **Mitsubishi Electric** have replaced the old plant based on chillers and methane boilers. The multi-purpose units, Climaveneta branded, can simultaneously produce heating and cooling throughout the year, ensuring maximum energy efficiency and minimizing local CO<sub>2</sub> emissions. In the first year of operation, the new air conditioning system saved **10%-15%** of primary energy and **57%** of methane gas, significantly reducing on-site pollutant emissions (equal to 60 ton CO<sub>2</sub> equivalent).

**Fabrizio Maja**, Division Manager of Mitsubishi Electric's Air Conditioning Division in Italy, commented on the project: *"The installation made with Toyota Motor Italia is in line with Mitsubishi Electric's Environmental and Sustainability Vision 2050. For our company, ensuring maximum comfort in every environment while reducing energy consumption, operating costs, and carbon dioxide emissions is the focus of our business strategy."*

This efficiency plan is just one of many activities that the Toyota Group in Italy has been carrying out to make its headquarters more and more sustainable, such as the use of 100% renewable energy sources and other projects, such as the installation of photovoltaic panels on the roof of the spare parts warehouse (1137 panels for a maximum power of 443 kW). As a testament to its ongoing commitment to environmental sustainability issues, last year Toyota Motor Italia renewed its UNI EN ISO 14001:2015 Environmental Management System certification, which it has had since 2003 and which was extended to the Toyota and Lexus Dealer Network in 2008.

With regards to **energy efficiency**, Toyota Motor Italia has entrusted Sodexo, the world's leading quality of life services, with the Facility Management services of the headquarters, which included the revamping of the new air conditioning system of about 1,000kW total cooling capacity. The HVAC system supplies the offices and the multi-purpose building. With the dual aim of increasing efficiency and reducing environmental impact, Sodexo selected, purchased, and installed the new units.

**Andrea Biagiotti**, Director of the South Central Region Corporate Segment, Sodexo Italia said: *"This project confirms our commitment to environmental sustainability and is in line with our Better Tomorrow 2025 in which we identify, support, and disseminate actions aimed at reducing environmental impact."*



FOR FURTHER INFORMATION  
ABOUT THE PROJECT:

<https://www.melcohit.com/EN/Projects/6256/Toyota-Motor-Italia.html>