

ABB Electrification's Smart Power facility in Frosinone (Italy): Working together with UL Solutions to validate environmental claims



Safety. Science. Transformation.™

ABB Electrification's Smart Power facility in Frosinone (Italy) partnered with UL Solutions, the certification body that already tests their products for the American market, to validate their strong progress in reducing waste to landfill and demonstrate the environmental sustainability of their operations to the marketplace.

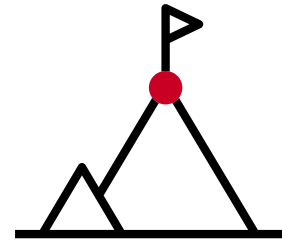
The challenge

ABB is a recognized leader in electrification and automation technology. The company helps address the world's energy challenges with solutions that make energy more affordable and homes, offices, factories and transport more energy efficient and safer. With business areas in electrification, motion, process automation and robots and discrete automation, ABB balances the needs of society, the environment and the economy and pushes the boundaries of technology to help their customers attain new levels of performance.

ABB Frosinone (Italy)'s internal environmental sustainability policy is well defined, but they decided to take on the challenge of being certified by a recognized and trusted third party to boost their brand recognition, credibility and market differentiation. The main challenge was to verify the level of their systems based on rigorous standards that demonstrate their firm grasp of environmental and sustainability knowledge and skills.

The solution

ABB Frosinone (Italy) evaluated the international regulatory landscape regarding environmental sustainability in reducing waste to landfill, and given the goals the company set, they chose the certification body that best fit their targets: UL Solutions. Recognized as a global safety science leader, UL Solutions understands that to stay competitive in today's global marketplace, all companies must address demands from investors, stakeholders, regulators, retailers and consumers for environmental, social and governance data. The market will no longer settle for meager corporate social responsibility (CSR) efforts and one-off sustainability initiatives and instead seeks greater transparency into how businesses take action to reduce climate change, create more circular products and provide more transparency into their global supply chains and social impacts.



UL Solutions has clear principles for environmental sustainability through the clear and detailed application of UL 2799, Environmental Claim Validation Procedure for Zero Waste to Landfill. The Standard takes into consideration both the amounts of our business' total waste produced and, at the same time, all the managerial and operational aspects of our sustainable business practices."

- Luigi Di Pede (Electrification, Smart Power - HUB Europe Sustainability & HSE Manager)



Air view of ABB in Frosinone (Italy)

CASE STUDY

“UL Solutions has clear principles for environmental sustainability,” said Luigi Di Pede (Electrification, Smart Power - HUB Europe Sustainability & HSE Manager), “through the clear and detailed application of UL 2799, Environmental Claim Validation Procedure for Zero Waste to Landfill. The Standard takes into consideration both the amounts of our business’ total waste produced and, at the same time, all the managerial and operational aspects of our sustainable business practices.”

ABB Frosinone (Italy) also selected UL Solutions because it is familiar with the organization. UL Solutions is the certification body that tests ABB’s products for the American market. “Thanks to the excellent cooperation in past years and the high professionalism of the certification process, we decided to choose UL Solutions as our partner for this type of validation not only for ABB Frosinone site, which achieved the Platinum rating, but also for the ABB sites in Xiamen and Xinhui, with the great results of Gold rating for zero waste to landfill” added Alessandro Bottarelli (Electrification, Division Smart Power Sustainability Manager).

In addition to these factors, ABB Frosinone (Italy) chose UL Solutions to lead the validation of their environmental claims because of the clarity and transparency of the validation requirements and the possibility of working with a trusted expert in the field of environmental sustainability and waste management. “The support, speed of response and local resources have allowed to identify the partner and begin the validation process in an extremely short time frame,” Luigi Di Pede (Electrification, Smart Power - HUB Europe Sustainability & HSE Manager) said.

The result

ABB Frosinone (Italy)’s waste reduction processes and procedures had been well structured and documented for a long time, so providing all the elements required to complete the entire validation process took only a few months. “Sustainability is one of our organizational pillars,” added Massimiliano Cifalitti (Electrification, Smart Power HUB Europe Manager), “but we wanted to obtain validation from a third party. For us, this is important in terms of a standard of quality, continuous improvement, recognition and market differentiation.”

ABB Frosinone (Italy) sped their validation by making sure they were fully trained on the process and then by freely collaborating with full transparency. “UL Solutions supported this process by making sure we were interpreting the rules and procedures properly and by being a true partner with us during the validation process,” said Giorgio Pascarella (Environmental & Sustainability specialist for Frosinone Site).

Even with ABB Frosinone (Italy)’s existing strong dedication to sustainability, having an independent third party reviewing their policies and procedures in waste topic helped them see their processes from a different perspective, allowing them to identify steps to further improve their entire operation.

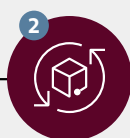
“Obtaining third-party validation allows us to highlight consistency with objectives in the area of sustainability for all stakeholders,” said Luigi Di Pede.

What is UL 2799?

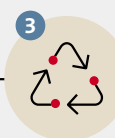
UL 2799, Environmental Claim Validation Procedure for Zero Waste to Landfill, is an environmental claim validation program that helps companies demonstrate their commitment to environmental sustainability to their stakeholders. The program focuses on monitoring and measuring material flows that are not part of an organization’s final product at the facility level. UL 2799A, the Standard for Environmental Claim Validation Procedure (ECVP) for Zero Waste Classification requires each facility of an organization to prove at least 90% diversion through methods other than waste to energy for that facility to achieve Zero Waste to Landfill (ZWTL) designations (Silver, Gold, Platinum):



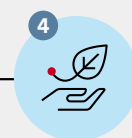
Energy production via incineration



Reuse



Recycling



Composting

Facilities that do not achieve greater than 90% diversion receive a Landfill Waste Diversion claim, according to UL 2799, the Standard for Environmental Claim Validation Procedure (ECVP) for Zero Waste to Landfill.



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