Employees Giving Back

Waste Workouts Initiative

The Waste Workouts Initiative has been achieving significant cost savings and improvements with waste management and disposal in GE sites in Brazil. This initiative is a collaborative way to identify opportunities to improve waste generation performance. The workouts are conducted during Skype sessions in which the team analyzes and discusses waste management performance indicators and opportunities to improve waste storage, packaging, logistics and waste vendors.

By changing waste packaging, the GE Aviation Celma site estimates that it will achieve more than \$23,000 in annual savings. Other sites will soon benefit from this initiative, as best practices will be shared to increase the impact across GE.

STEM Mentoring through First Robotics

In partnership with For Inspiration and Recognition of Science and Technology (FIRST) - a nonprofit that inspires young people to be leaders in science and technology - GE and BHGE employees' coach and mentor student-led K-12 robotics teams. FIRST takes an innovative approach to learning and development, presenting students with real world challenges involving Science, Technology, Engineering and Mathematics (STEM) skills. Themed around the Grand Challenges identified by the National Academy of Engineering, each year a different challenge is chosen to foster understanding and cooperation among the students. Students develop skills in design, engineering, programming, wiring, and fabrication while simultaneously adopting core values in safety, time management, teamwork, and inclusion. They learn how to analyze a problem, develop a strategy for solving it and build devices that can range from LEGO models to complex robots. Updated October 2018

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GE Healthcare Mexico's partnership with battery manufacturer Enysis has reduced GE's overall environmental impact.

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Employees Giving Back

Battery Recycling in GE Healthcare Mexico

GE Healthcare installed mobile digital X-ray machines throughout Mexico enabling a new way to take fast, reliable and high-quality images. The X-ray machines contain four acid-lead batteries that must be replaced every six months for optimum performance, which must be managed as hazardous waste at a cost of more than \$65,000 per year.

To responsibly manage and dispose these batteries, GE Healthcare developed a partnership with Enersys, the battery manufacturer. In 2018 Enersys began collecting the lead-acid batteries from GE warehouses or customer sites, and transports, stores and recycles them. This partnership enables GE Healthcare in Mexico to better serve their customers in a way that is safe for the environment and communities where they operate, while reducing the costs incurred during the battery disposition process. It also reduces GE's overall environmental impact since, according to academic studies, regenerated/recycled lead accounts for 5.52% of the environmental burdens of primary lead (Chen S. et al, 2017). ¹

¹ Chen S. et al, (2017), The Environmental Burdens od Lead-Acid Batteries in China: Insights from an integrated Material Flow Analysis and Life Cycle Assessment of Lead, extracted from: <u>https://pdfs.semanticscholar.org</u>

Christina River Watershed Cleanup

In April 2018, GE Aviation employees volunteered to help clean one of the most important natural resources in the Newark, Delaware area: The Christina River Basin Watershed. The watershed is composed of the Brandywine, White Clay, Red Clay Creeks, and Christina River, before continuing into the Delaware River. It provides more than 75% of the water supply for residents and businesses in New Castle County. The Christina River Watershed Cleanup's mission is the removal of man-made debris from the watershed, while raising public awareness for pollution prevention. Since the Cleanup began in 1992, more than 360 tons of tires, appliances, household items, and other trash have been cleared.²

2 "Annual Christina River Watershed Cleanup" http://stewartsonline.net/crwc/ (Accessed July 25, 2018)









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