

Taking the "LEED" in Green Design



**HS Elektronik
Systems
Nordlingen, Germany**
Gold Certification



**Global
Engineering Center
Wroclaw, Poland**
Gold Certification

LEED Projects are underway in Bandung, Indonesia and Malvern, UK.

Many of our sites around the world are LEED (Leadership in Energy & Environmental Design) Certified through the U.S. Green Building Council. LEED buildings are given a certification level through a point rating system that assesses six categories: site planning, water management, energy management, material use, indoor environmental air quality and innovation and design process. A LEED building can be rated as Platinum, Gold, Silver and Certified.

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Green Designs

ecoIPS™

At UTC Aerospace Systems, our engineers continue to 'green' our products. The ecoIPS™, or Ecological Integrated Propulsion System, bundles together game-changing underwing technologies – engine, nacelle and thrust reverser – to improve fuel efficiency and reduce noise pollution. The shorter, more compact nacelle minimizes drag and weight concerns on the aircraft, while the advanced, short fan duct integrated thrust reverser will help reduce fuel burn by 1%. The ecoIPS also incorporates improved acoustic treatment to reduce noise by 2.5 EPNdB.



Sustainability Academy

In November, we hosted our first Sustainability Symposium on water conservation at our Santa Fe Springs, California facility to discuss best practices and incentives with local businesses and government.

Employees

At UTC Aerospace Systems, our employees work on innovative ways to reduce the use of natural resources. Energy and Water Audits are used to help identify and prioritize projects to reduce our environmental impacts. Since 2013, we conducted more than 111 energy audits and 100 water audits. These audits help ensure our operations are running as efficiently as possible.



2015 Sustainability Progress Environment, Health & Safety

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“In order to improve our community and the city where we live, one doesn't have to wait for the change to come; one needs to be the agent of change in our working and social environment.”

Marcos Martinez, Mexicali, Mexico employee



Green Teams

Site green teams work within communities and sites to promote sustainability locally and help in projects. Our Santa Isabel, Puerto Rico site is continuously identifying new and innovative ways to conserve water use to help reduce the impact to a drought prone community.

Green Grant Initiative

The Green Initiative Mini Grant program is open to all employees. The goal of the program is to encourage global employee involvement in the community during Earth Day and beyond, with projects that help sustain our natural environment. See one of our projects at work as a UTC Aerospace Systems employee changes lives in small Indian village: https://www.youtube.com/watch?v=w__BhSF0LNk

Green Apple Day

UTC Aerospace Systems employees in Charlotte, North Carolina; Windsor Locks, Connecticut; Chula Vista, California and Mexicali, Mexico recently supported the Center for Green Schools' fourth annual Green Apple Day of Service by completing more than 30 sustainability volunteer projects.

Making a Difference

Since 2006, we have...

Water

16%

- Conserved nearly **131,000,000 gallons** of water. That amount could fill more than 198 Olympic sized swimming pools!
- Instituted an industrial water reuse program at our Rome, NY site that is saving 7,000,000 gallons of water annually.



Greenhouse Gases

20%

- Reduced the demand of natural resources by almost **148,000 metric tons** of GHGs. That's the equivalent of more than 31,136 passenger cars taken off of the road!
- Installed solar arrays at all four of our Singapore sites, helping reduce GHG emissions by 2,000 metric tons.



Air Emissions

46%

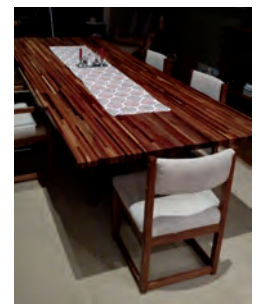
- Reduced air emissions by **809,000 pounds**. The amount of emissions we have prevented from entering the atmosphere is equivalent to more than 3,235 inflated hot air balloons!
- Installed carbon filtration at our Bengaluru, India site helping to reduce emissions by 147,000 pounds.



Industrial Process Waste

26%

- Reduced waste produced by more than **30,000,000 pounds**. That amount of waste is estimated to be equal to 99 empty jetliners!
- Reused more than 204,000 pounds of mahogany shipping containers to be repurposed for the design of furniture.



Going forward... 2020 Sustainability Goals

- WATER - 25% reduction
- AIR EMISSIONS - 100% elimination of chlorinated and brominated solvents
- GREENHOUSE GASES - 15% reduction
- RECYCLING OF INDUSTRIAL PROCESS WASTE - 90% recycling
- HAZARDOUS WASTE - 10% reduction