Caring for the Planet

Intel Malaysia has generated a carbon offset equivalent to 21,126 metric tons of carbon dioxide and saved 500,000 m³ of water from 2012-2013 by operating efficiently.

As of 2013, Intel has obtained LEED certifications for all of its factory buildings in Kulim and Penang because of our commitment to sustainable operations. These certified buildings include: KM1, KM2, KM3, KM5, KM6, and PG8.

We empower our employees to take action by funding their environmental projects through the Intel Sustainability in Action Grant Program.

We incorporate environmental performance goals throughout our operations, seeking continuous improvement in energy efficiency, emissions reductions, resource conservation, and other areas. We also focus on improving the energy-efficient performance of our products and collaborate with others to develop innovative ways to apply technology to address long-term sustainability challenges.

Minimizing Environmental Impact

From 2012 to 2013, Intel Malaysia has implemented more than 50 energy conservation projects resulting in a carbon dioxide offset equivalent to 21,126 metric tons. We have also generated very encouraging results in other areas of environmental conservation including water conservation and solid waste recycling. We saved over 500,000 m³ of fresh water over the past two years with rain water harvesting and recycling the water in our cooling tower system – that's enough water to produce 200,000kg of rice![1]

Operating Efficiently

As of 2013, all four of Intel Malaysia's factories and two office buildings in Penang and Kulim are LEED-certified under the Green Building Rating System for Existing Buildings: Operations and Maintenance (EBOM) category. This is an internationally-recognized approval from the U.S. Green Building Council verifying sustainable systems in place and 'green' improvements made to the factory building and operations. In the past 6 years, Intel Malaysia has spent an average of USD1 million per year in capital on energy conservation. Our total energy consumption averages over 300 million kWh annually - for a total building gross area of more than 300km² consisting of four high volume manufacturing factories, design and development labs, data centers, a warehouse, cafeterias, central utility buildings and offices. With so many buildings to keep running, it is imperative for us to be energy and water-efficient - to keep operation costs down and the Earth green at the same time. Since 2001, we have saved over 238 million kWh of energy: enough to power over 948,000 households (based on the average household electricity consumption of 251kWh/month)!

Designing for the Environment

We strive to reduce the environmental impact of our products, from design through disposal—including evaluating the environmental impact of materials used in our processes, collaborating on responsible management of electronic waste, and driving energy-efficient performance across all of our major product lines. In 2013, we introduced the 4th generation Intel® Core™ processor family, which delivers industry-leading performance as well as the largest generational gain in battery life in Intel's product history.

Intel Malaysia Recycling Program

We place a great deal of importance in recycling projects both within Intel Malaysia and in the communities around which we live and work. Not only did we achieve recycling rates of 91.23% and 91.77% in our Kulim and Penang sites respectively (exceeding our goal of 90% for both sites), we also removed wastepaper baskets from all our office cubicles, set up 74 'We Recycle' centers, eliminated the use of polystyrene packaging in our cafeterias and implemented a food waste composting program. In the community, we held activities including school recycling competitions involving 13 schools which resulted in 34.6 metric tons of solid waste recycled. Intel Malaysia was recognized by the Penang Green Council (PGC) for the Penang Green Office Project in 2013.

[1]Source: http://www.theguardian.com/news/datablog/2013/jan/10/how-much-water-food-production-waste