

Nine of Samsung's Leading Memory Products Receive Environmental Impact Reduction Recognition from the Carbon Trust



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Samsung Electronics has had its latest efforts toward reducing the environmental impact of its memory solutions acknowledged by one of the most widely recognized global environment certification leaders, the Carbon Trust.

Recently, nine key Samsung memory products – four DRAM solutions, three solid state drives (SSDs) and two embedded storage (eStorage) devices* – earned Product Carbon Footprint (PCF) labels from the UK-based Carbon Trust for their significant role in reducing climate impact and helping with the transition to a low-carbon economy. These PCF labels were awarded after a thorough review of each product's carbon impact, from the raw material extraction stage through production, distribution, use and disposal. The PCF certification also provides a reliable measure of the electricity, water and gas used during memory chip manufacturing.

In addition to the PCF label, Samsung's 512GB eUFS 3.1 – the company's latest smartphone storage memory – was recognized with the industry's first 'Reducing CO2' label for eliminating more carbon emissions than the previous generation, Carbon Trust-certified 512GB eUFS 3.0.

Samsung's T7 Touch SSD also received a 'low carbon product' certificate from the Korean Ministry of Environment (MoE), making it the first Korean government-certified green semiconductor product in Korea. The low carbon certificate is given to products that achieve a minimum of 3.3 percent

carbon reduction over the previously MoE-accredited product generation.

By using one-third less tray packaging, replacing the plastic trays with eco-friendly pulp material and minimizing greenhouse gas emissions throughout its production, the T7 Touch SSD saw a 5.1 percent reduction in its carbon footprint compared to the previous generation product. This translates to an annual savings of approximately 84 tons of carbon – about the same amount of CO2 absorbed by 13,000 30-year-old pine trees in one year.

The new certifications are in addition to Samsung's Hwaseong Campus in Korea having recently become the industry's first semiconductor site to earn the Carbon Trust Standard for Water, in recognition of its sustainable water management.

"Through the continuous reduction of our carbon footprint, we are committed to improving environmental sustainability across our semiconductor business operations," said Chanhon Park, executive vice president and general manager of Global Infra Technology at Samsung Electronics. "Moving forward, we will strive not only to achieve greater competitiveness with our semiconductor technologies, but also ongoing leadership in sustainable environmental efforts."

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