

“Water, Earth & a Better Tomorrow”

TOTO aims to draw 100% of its electricity from renewable sources by 2040. Nearly 80% of the company’s global product portfolio will be sustainable by 2030.



TOTO formulated a guiding principle to describe their journey to becoming a company completely powered by energy from renewable sources: “Water, Earth & a Better Tomorrow”. As one of the world’s leading companies in the sanitary segment, the international TOTO Group feels responsible for manufacturing its products with zero emissions and as sustainably as possible. With this step, TOTO also aims to strengthen their competitive edge. The company is relying on scientifically substantiated, data-based and globally recognised metrics like the Life Cycle Assessment (LCA) and Global Reporting Initiative (GRI). The years 2030 and 2040 mark two important milestones: Sustainable products will make up 78% of the global product portfolio by 2030, and TOTO will get 100% of its electricity from renewable energy sources by 2040.

Back in 2020, the Wall Street Journal already named TOTO one of the 100 most sustainably operating companies in the world among over 5,500 listed companies. “But what does this mean? How can we trust that we actually are?” TOTO anticipates this question in their company profile on the website to provide a differentiated answer. The company aims to create the greatest possible transparency and credibility in complex processes and discloses their activities based on scientifically substantiated approaches.

One main point involves assessing how environmentally sound TOTO products are, which is done using the Life Cycle Assessment (LCA) guidelines. These cover all phases of the product lifecycle including all necessary upstream and

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downstream transportation and recycling processes. According to TOTO figures, the LCA evaluations have shown that CO2 emissions and water consumption are at their greatest while the products are being used – with over 90% of CO2 emissions occurring during use.

Hygiene technologies play a key role in reducing CO₂

The main focus of TOTO's research and development (R&D) efforts stems from these findings. As a result, the amount of water and energy consumed by WASHLET, toilets and fixtures during regular use is always being minimised. Cleaning and hygiene technologies like Ewater+, the efficient Tornado Flush and extremely durable Cefiontect ceramic glaze play a major role. The energy self-sufficient and water-saving automatic faucets with self-power technology are truly ground-breaking in this regard.

Milestone 2040: TOTO to produce 100% of their electricity from renewable sources

Membership in the RE100 initiative is an important milestone. TOTO Group have committed to expanding the procurement of renewable energy at all global locations in line with regional circumstances and installed systems to generate solar power at their production sites. This move should ensure that 100% of the electricity TOTO needs for their business activities comes from renewable sources. Regular reporting and accounting about the progress of these measures is required. RE100 publishes this annually. TOTO also plans to improve energy savings by upgrading and converting production facilities in various markets in an effort to reduce CO2-emissions.

Important steps on the road to greater sustainability

- TOTO will make their products more environmentally friendly and promote the global distribution of their “Sustainable Products” to reduce CO2 emissions in using their products. Sustainable products will make up 78% of the global product mix by the year 2030.
- Reporting is aligned with standards defined by the Global Reporting Initiative (GRI). The GRI’s guidelines provide the framework for sustainability reporting most commonly used around the world.
- In June 2021, TOTO received certification from the international environmental initiative Science Based Targets (SBT) supporting the reduction of greenhouse gases in compliance with the Paris Convention and systematically reducing CO2 emissions further on this basis.
- TOTO Group joined the RE100 Initiative in 2021 with the aim of transitioning to electricity from only renewable sources by the year 2040.
- The UN Sustainable Development Goals (SDG) are mandatory for TOTO. Since 2011, TOTO has been a member of the UN Global Compact – the world’s largest and most important initiative for sustainable and responsible company management. Over 9,500 companies and 3,000 non-governmental organisations are members.
- In 2019, TOTO supported the activities of the Task Force on Climate-related Financial Disclosures (TCFD) and published information about their management strategy.

More information:

Initiative E100: <https://www.there100.org/>

UN Sustainable Development Goals: <https://sdgs.un.org/goals>

Science Based Targets Initiative (SBT): <https://sciencebasedtargets.org/about-us>

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1 TOTO is converting its production facilities to renewable energies. Photo: TOTO

2 TOTO is converting its production facilities to renewable energies. Photo: TOTO

3 To further reduce CO² emissions, a new generation of kilns is being used. These emit 40% less carbon dioxide. Photo: TOTO

4 TOTO invested around 172 million euros (24 billion yen) in research and development in 2021 to pursue its goal of creating a sustainable product portfolio. This is about 3.7% of the company's total revenue. Graphic: TOTO

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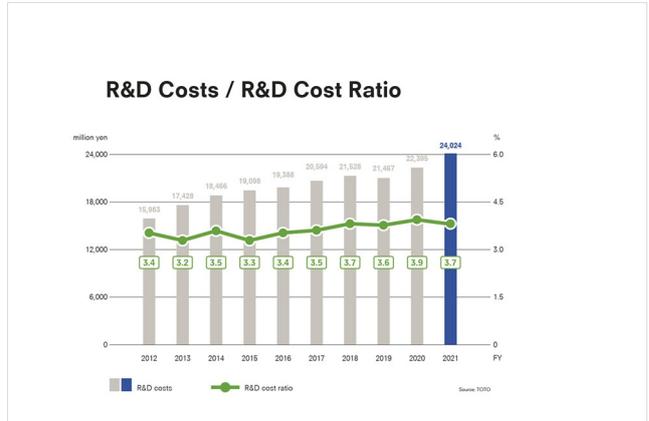
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5 TOTO's environmental goals at a glance. Graphic: TOTO

6 TOTO opened the TOTO Museum at their headquarters in the Japanese city of Kitakyushu in 2017 to mark the company's 100th anniversary: The exhibitions and green architecture used in this complex reflect the technology's leader's values: hygiene and respect for nature. <https://jp.toto.com/pages/knowledge/visit/museum/de/vr/>

7 TOTO's hygiene technologies make WASHLET a long-lasting product that conserves resources: Ewater+, the efficient Tornado Flush and extremely durable ceramic Cefiontect glaze. Photo: TOTO

8 The energy self-sufficient and water-saving automatic faucets with self-power technology are truly ground-breaking and play an important role in TOTO's product portfolio. The faucets only use 2l of water per minute. Photo: TOTO

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TOTO's sustainable goals

| | 2020 | 2021 | 2023 targets | 2030 targets | 2040 targets |
|---|----------------------------|--------------------------|----------------------------|----------------------------|--------------|
| Percentage of Sustainable Products | 69% | 70% | 73% | 78% | - |
| Renewable energy introduction rate | - | 15% | 70% | 90% | 100% |
| Reduction in water consumption during product use | 0.9 billion m ³ | 1 billion m ³ | 1.1 billion m ³ | 1.7 billion m ³ | - |
| Reduction in CO ₂ emissions during product use | 3.21 million tons | 3.35 million tons | 3.6 million tons | - | - |
| Total CO ₂ emissions from business sites | 307 thousand tons | 352 thousand tons | 294 thousand tons | 250 thousand tons | - |

Source: TOTO

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About TOTO Europe

TOTO, one of the world's leading sanitary ware companies, has an unwavering focus on people and their well-being. Established in Kitakyushu, Japan in 1917, TOTO has been developing, producing and marketing its comprehensive high-end bathroom concepts for the European market since 2009. The company aims to create a new attitude towards life through regeneration, comfort and hygiene, integrating technologies into their product designs in a smart, nearly invisible way. Japan's leading manufacturer in the sector, TOTO offers a comprehensive range of products including ceramic sanitary ware, faucets and accessories. The company can now look back on over 40 years of developing and manufacturing WASHLET and has sold over 60 million units worldwide to date. TOTO supports the development of a fully emission-free society and is very committed to sustainability: By joining the RE100 initiative, TOTO Group will convert all of its facilities to power from sustainable energy sources by the year 2040. The company also received certification from the Science Based Targets Initiative (SBT) to reduce greenhouse gases in line with the Paris Agreement, and to systematically cut CO₂ emissions further on this basis. TOTO employs 36,000 people world-wide.

Read more about TOTO online: gb.toto.com

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