Protecting the Environment

Our commitment to improving patient health comes with a responsibility to protect the planet we all share.

As we work to solve health care’s toughest challenges, we are taking decisive action to reduce our environmental impacts and achieve carbon neutrality.
Responding to Climate Change

Boston Scientific sets ambitious climate change goals, and we are on track to meet our commitment to achieve carbon neutrality in all manufacturing and key distribution sites by 2030. We became the first medical device manufacturer to make such a pledge in 2017. Since the start of 2017, we have reduced our carbon footprint by 50 percent.

ACHIEVING CARBON NEUTRALITY:

Ronan Coffey has led our Global Energy Management System (GEMS) since 2018.

“Carbon neutrality is the right thing to do, and our C³ strategy is the right way to do it. Our Global Energy Management System has grown from being a new way to look at energy consumption to being the actual language we use to talk about energy management and carbon emissions. GEMS is built into how we work. Our teams are making great progress around the world.”

Ronan Coffey, global energy manager, Boston Scientific

C³ STRATEGY

A central component of the company’s carbon neutrality approach is our C³ energy strategy. Global and site teams collaborate across Boston Scientific to meet its objectives:

- **Cut** energy use emissions.
- **Convert** to renewable energy sources instead of relying on fossil fuels.
- **Compensate** with carbon credits and offset projects for any remaining unavoidable emissions.

SUSTAINABLE DEVELOPMENT GOALS:

- 7: Affordable and clean energy
- 9: Industry, innovation and infrastructure
- 12: Responsible consumption and production
- 13: Climate action

**SUSTAINABLE DEVELOPMENT GOALS:**
Greenhouse Gas Emissions:
Tonnes CO₂ Equivalents

• Renewable thermal
• Electrification
• Renewable energy credit purchases
• Supplier renewables
• On-site solar installations
• Power purchase agreements

Scope 2: Electricity
Scope 1: Natural Gas

2013–2030: RAMP TO CARBON NEUTRALITY

Boston Scientific is on track to achieving carbon neutrality in all manufacturing and key distribution sites by 2030

Interim Goals:

50% renewable electricity by 2021
100% renewable electricity by 2024
90% renewable energy (all sources) by 2027

2020 HONORS

In 2020, Boston Scientific was named to the Dow Jones Sustainability Index (DJSI) for North America, a well-respected global benchmark for corporate responsibility. The list recognizes companies that deliver outstanding economic, social and environmental performance. Visit our online awards page to read more about our environmental honors and distinctions.
Using the GEMS approach developed in conjunction with the National University of Ireland, Galway, Boston Scientific is making measurable strides toward carbon neutrality. We track progress and report it publicly using five GEMS key performance indicators (KPIs).

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<tbody>
<tr>
<td><strong>Carbon Footprint</strong> (MT CO2eq)</td>
<td>118,327</td>
<td>108,694</td>
<td>94,946</td>
<td>85,127</td>
<td>84,778</td>
<td>53,730</td>
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<tr>
<td><strong>Energy Use</strong> (MWh)</td>
<td>370k</td>
<td>367k</td>
<td>364k</td>
<td>355k</td>
<td>368k</td>
<td>381k</td>
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<tr>
<td><strong>Normalized MWh/Million $ Revenue</strong></td>
<td>49</td>
<td>44</td>
<td>40</td>
<td>36</td>
<td>34</td>
<td>38</td>
</tr>
<tr>
<td><strong>EM³</strong></td>
<td>2.7</td>
<td>3.2</td>
<td>3.6</td>
<td>3.7</td>
<td>3.9</td>
<td>4.1</td>
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<tr>
<td><strong>Green Real Estate</strong> (% of total)</td>
<td>27%</td>
<td>28%</td>
<td>32%</td>
<td>32%*</td>
<td>41%*</td>
<td>42%</td>
</tr>
<tr>
<td><strong>Renewable Energy</strong> (% of total)</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>5%</td>
<td>11%</td>
<td>71%</td>
</tr>
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* Prior year numbers restated
Our Environmental Impact

In 2020, we made significant progress in our C³ energy strategy to achieve carbon neutrality across our manufacturing and key distribution sites. By addressing the company’s energy consumption, carbon emissions and environmental designs, we are reducing our climate impacts.

2020 ENVIRONMENTAL ADVANCES

- **67% reduction** in greenhouse gas emissions since 2009
- **71%** of purchased electricity from renewable sources
- **94%** of solid waste diverted from landfills

Working with sustainability-minded customers, since 2017, we **increased** the number of patients reached by 20% while **reducing** our carbon footprint by 50%
Cutting Our Carbon Footprint

Tackling energy use is the first tier of our C³ approach. To improve energy use in our existing sites and develop new construction in an environmentally responsible manner, we adhere to internationally recognized programs such as Leadership in Energy and Environmental Design (LEED) or the ISO 50001 energy management system. In 2020, Boston Scientific green real estate increased to 42%, up from 27% in 2015, representing more than 3.8 million square feet of total company real estate. At a minimum, all newly constructed Boston Scientific buildings are LEED certified.

OUR GREEN REAL ESTATE EXPANDS

- **42% of Boston Scientific real estate is green** — representing **3.8+ million square feet**
- **Energy Management System ISO 50001**: 5 manufacturing sites, 1 distribution center
- **Leadership in Energy and Environmental Design (LEED)**: 15 buildings

New commercial hub in **Madrid, Spain**.
Renovated flexible, collaborative workspace in **Galway, Ireland**.
New administration block in **Clonmel, Ireland**.
Converting to Renewable Energy

Investing in and converting to renewable energy sources is the second action area of the C³ strategy. We monitor the percentage of the company’s energy generated from renewable sources, whether the energy is generated on-site or purchased from outside suppliers. In 2020, we stayed on track to meet our objective of sourcing or generating 100 percent of our electricity from renewable sources by 2024. We expect that by 2027, 90 percent of all energy at Boston Scientific facilities, including electricity and natural gas, will be renewable.

- Our Clonmel, Cork and Galway, Ireland facilities and our Kerkrade, the Netherlands distribution center source 100 percent renewable energy.
- Using hydroelectric, wind and solar power, our manufacturing sites in Heredia and Coyol, Costa Rica have been carbon-neutral since 2016.
- In our Marlborough and Quincy, Massachusetts locations, we have on-site solar installations that generated a total of 3.2 million kilowatt-hours of renewable electricity in 2020. An on-site solar installation at our Dorado, Puerto Rico facility, slated for completion in mid-2021, will deliver approximately 17 percent of the site’s electricity needs.

Compensating With Carbon Offsets

Carbon offsetting is the final step we consider taking to reach carbon neutrality. While our primary focus is on cutting energy use and converting to clean energy sources, we compensate with carbon offset projects when we have unavoidable carbon emissions or cannot yet rely on renewable energy options. Potential projects are carefully assessed to ensure the results will negate our remaining carbon emissions. For example, Boston Scientific collaborated with the eco-conscious platform Treedom in 2020 to plant more than 5,000 trees in Kenya. The initiative will benefit local communities and contribute to cleaner air in the region.

Climate Risk Management

Boston Scientific has begun integrating climate-related financial disclosures into the way we manage climate-related risks and opportunities. In 2021, we will complete a comprehensive assessment of our business risks associated with climate change.

By 2027, we expect 90% of all energy used in Boston Scientific facilities will be renewable.
Conserving Water
Water is a critical shared resource, and we are committed to managing its use responsibly. While Boston Scientific operations are not water intensive, we work to minimize consumption and prepare for water supply challenges. Based on an assessment using the World Resources Institute Aqueduct risk-mapping tool, we have determined that 11 company locations are at low overall water-related risk, and six facilities are in the low-to-medium risk category. Our efforts to assess water-related risks and opportunities will expand in 2021 to include the company’s significant commercial operations. Water usage at Boston Scientific manufacturing and major distribution centers is predominantly associated with employees, which accounts for 69 percent of our total water consumption.

Waste Management and Recycling
We are working to divert all non-hazardous waste from landfills and incineration by 2030. Boston Scientific facilities will participate in the TRUE (Total Resource Use and Efficiency) certification program to meet this objective. TRUE strives to change the way materials flow through society so that all products are eventually reused and diverted from landfills, incineration and the environment.

2020 RECYCLING AND RECOVERY

- **79%** 7,922 metric tons total non-hazardous waste recycled
- **52%** 509 metric tons of hazardous and regulated waste recovered or recycled
Results from Cork:
Taking Recycling to the Next Level
After achieving a recycling rate of more than 90 percent, our Cork, Ireland team extended their success by recovering reusable materials. In 2020, they began setting aside plastic packaging made from Polyethylene Terephthalate, a material that can be ground into flakes and reused if properly isolated in the collection process. This approach also results in less processing energy than recycling. By taking this extra step, the team diverted 20 metric tons of plastic for recovery.

Our Cork site made significant progress toward waste avoidance in 2020 — their recycling initiatives resulted in 20 metric tons of plastic recovered.

Success in Cork:
90% recycling rate achieved
20 metric tons of plastic recovered

GLOBAL WASTE MANAGEMENT PERSPECTIVE: SEAMUS GETHINS

“Focusing on avoidance and reuse is key to reducing our environmental impact. For the future of our planet, we have a duty to go beyond standard recycling.”
Seamus Gethins, global director, Global Environment, Health and Safety