U.S. Green Building Council LEED 2.2 Certification

Thermo Fisher Scientific supports and benchmarks initiatives based on the U.S. Green Building Council LEED 2.2 building rating system. The whole-building approach encourages and guides a collaborative, integrated design and construction methodology process.

Our green efforts are integrated into the manufacturing strategies and processes. Thermo Fisher Scientific invests in manufacturing technologies that will yield benefits for the environment, employees, customers and the community.

In addition to utilizing environmentally sound manufacturing processes and materials, Thermo Fisher Scientific’s products and systems are designed to provide benefits for sustainable laboratory environments in how they are sourced, designed, fabricated, installed and operated.

The Green Building rating system is based on a point system with five mandatory credits categories plus an optional category for Innovation and Design. Although no manufacturer can directly qualify for point accumulation, Thermo Fisher Scientific’s products, practices and processes can help contribute to the overall success of the project.

Solutions for the Technical Environment

When selecting laboratory furniture, consult Thermo Fisher Scientific. As the industry leader, Thermo Fisher Scientific offers the most comprehensive selection of product lines, options and accessories in the world.

The markets served are as diverse as the products manufactured. We work very closely with the educational, industrial research and healthcare markets, and are actively engaged in the development of new technologies and products to better serve ever-changing laboratory environments.

The Thermo Scientific Hamilton lines that can be drawn upon to build the optimal solution include:

- Wheat Casework
- Steel Casework
- Plastic Laminate Casework
- Phenolic Resin Casework
- Stainless Steel Casework
- MAXLAB® Adaptable Furniture System
- MAXLAB® Technical Wall System
- MAXLAB® Modular Furniture System
- Distinction® Laboratory Bench System
- C-Frame® Adaptable Furniture System
- P-Frame® Adaptable Furniture System
- Floor-to-Ceiling Adaptable Furniture System
- Adaptable Table Systems
- Laboratory Fume Hoods

Dealer Planning Expertise

Our dealers are a network of full support laboratory specialists who prefer to get involved in the earliest possible planning stages so they can offer helpful suggestions that can make your laboratory work easier and more efficient than ever before.

Whether it’s product innovation or new construction, Thermo Scientific Hamilton dealers have the skills, the expertise and the product line selection to get the job done efficiently and cost effectively.
Corporate Commitment

Thermo Fisher Scientific has been recognized as the market leader in environmental stewardship in the laboratory furniture industry by having demonstrated our commitment to the environment through ongoing investment in environmentally friendly manufacturing processes.

To promote environmental stewardship, Thermo Fisher Scientific has partnered with the US Green Building Council (LEED) and other like-minded organizations to:

• Increase recycling and reduce waste generated during the manufacturing process.
• Support the development and marketing of environmentally friendly products.

Thermo Fisher Scientific is committed to:

• Developing and promoting environmental initiatives and accountability.
• Using renewable and recycled raw materials and renewable energy in the development of furniture solutions for sustainable laboratory environments.
• Investing in special fabrication machinery that maximizes yield.
• Being the industry’s first Chain-of-Custody manufacturer to have a product certified by SmartWood.

Corporate Initiatives

Our corporate commitment includes taking an active role in a variety of organizations and programs that promote the advancement of sustainable laboratory technology.

Thermo Fisher Scientific major corporate initiatives include:

• Supporting the USEPA LEED 2.2 program and continued development and implementation of LEED-HG (Application for Healthcare) guidelines.
• Designing and manufacturing furniture, furniture systems, and engineering products that match the building life cycle and adhere to Forestry Stewardship Council standards.
• Using chain-of-custody wood products from sustainable forests which adhere to Forestry Stewardship Council standards. Using chain-of-custody wood products from sustainable forests which adhere to Forestry Stewardship Council standards.
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Steel and Adaptable Furniture Systems

Steel and adaptable furniture systems include:

• Hamilton steel adaptable furniture systems which are manufactured using cold-rolled steel from sustainable resources. Current content. The current steel purchased contains a minimum 25% recycled content and can be as high as 50% (with recycled post-industrial content). Current content. The current steel purchased contains a minimum 25% recycled content and can be as high as 50% (with recycled post-industrial content).
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Wood Furniture

Thermofisher Scientific offers a variety of wood furniture solutions for sustainable laboratory environments. The following are just a few of the many benefits of the wood products offered by Thermo Fisher Scientific.

• Developing a highly chemical resistant waterborne wood finish (now adopted by the lab industry) to meet LEED requirements — no VOC and normal VOCs.
• Applying finish in custom spray booths to reduce airborne emissions and boost wood transfer.
• Maximizing natural resources with advanced CNC equipment.
• Developing and using adhesives and glues that are significantly LEED standards for labor quantity.
• Using wood waste to heat manufacturing facilities.
• Expanding the product line to include wheat board cores, bamboo, certified wood products with no added formaldehyde.
• Adhering to standards established by the Forest Stewardship Council.
• FSC certified sustainable woods, and glues containing no added formaldehyde, help contribute towards LEED credits.

Airflow Products

Thermo Fisher Scientific provides a variety of fan hood products to address the changing needs of today’s end-users while contributing to the overall sustainability of their work environment. Energy efficient and state-of-the-art systems provide high airflow rates, cost savings, reducing operating costs. Pioneer® and Concept® provide a new threshold for fume hood containment performance, helping to provide operator safety.

Thermo Fisher Scientific airflow initiatives include:

• Improving the development of industry-leading LEED standards that help to provide for end-user health and safety.
• Developing Pioneer® and Concept™ fume hoods which are energy efficient and utilize 45%-50% less temperature than conventional fume hoods.
• Addressing monitor systems that alarm in an operational use situation and are designed to be easily identified self-clearing and fail safe.
• Implementing standard exhaust exhausts via standard exhausts. Thermo Fisher Scientific is a USGBC LEED 2.2 and LEED-AGL (Application for Laboratory) participant.
• Improving air quality by offering localized exhaust devices to minimize exposure to chemicals, thus reducing exhaust costs and materials.
• Providing adequate ventilation to maintain yields and moisture.
• Establishing an end-user training program for proper waste management and operation of alarm systems.

Thermo Fisher Scientific steel and systems initiatives include:

• Maximum operator safety and comfort, helping to reduce operator stress. Pioneer® and Concept™ provide a new threshold for fume hood containment performance, helping to provide operator safety.

Steel and adaptable furniture systems are designed to be repositioned and reconfigured, resulting in product reuse and extending the product life cycle. A range of standard components can be moved to allow the end-user to adopt and change in technology disciplines and personnel.
Corporate Commitment
Thermo Fisher Scientific has been recognized as the market leader in environmental stewardship in the laboratory furniture industry. Thermo Fisher Scientific has been extensively involved with organizations in developing and promoting environmental initiatives and accountability.

Thermo Fisher Scientific has been recognized for its leadership in environmental stewardship by organizations such as the Commonwealth of Pennsylvania - EPA, the Wisconsin Department of Natural Resources, and the American Society of Heating, Refrigerating, and Air-Conditioning Engineers.

Our corporate commitment includes taking an active role in a variety of organizations and programs that promote the advancement of sustainable laboratory solutions.

Our corporate commitment includes:
- Supporting the U.S. G2P 2.0 program and continued development and implementation of sustainability initiatives.
- Designing and manufacturing steel furniture, fume hoods, and casework that maximize environmental impact and reduce energy consumption.
- Utilizing powder coat reclaim booths for reduced air emissions and the highest quality finish.
- Applying powder coats in reclaim booths that capture and recycle all volatile organic compounds.
- Developing and implementing LEED green building products and systems.
- Using steel products that meet SEFA industry performance standards.
- Meeting or exceeding VOC emissions limits established by Green Seal GS-11.
- Applying leading edge technology to reduce energy consumption.
- Reducing waste through recycling programs.
- Providing a healthy workplace that will yield benefits for the environment, our employees, our customers and our communities.
- Using Chain-of-Custody wood products from sustainable forests.
- Establishing a formalized program to manage hazardous waste.
- Utilizing sheet steel with a minimum of 25% recycled content.
- Developing and implementing LEED green building products and systems.
- Providing a healthy workplace that will yield benefits for the environment, our employees, our customers and our communities.
- Using steel products that meet SEFA industry performance standards.
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- Applying leading edge technology to reduce energy consumption.
- Reducing waste through recycling programs.
- Providing a healthy workplace that will yield benefits for the environment, our employees, our customers and our communities.

Wood Furniture
Thermo Scientific Harman standard wood furniture contains hardwoods, veneers and plywood which originate from managed forests certified by SmartWood/Rainforest Alliance as a Forestry Council, including:
- Certifying the use of powder coat reclaim booths, advanced HVMC air handling systems and various safety initiatives that promote air quality while reducing emissions.
- Retaining a LEED AP (Accredited Professional) on staff to evaluate project specifications, understand the customer's intent and provide documentation for certification submittals.

Our corporate commitment includes:
- Optimizing the use of powder coat reclaim booths, advanced HVMC air handling systems and various safety initiatives that promote air quality while reducing emissions.
- Retaining a LEED AP (Accredited Professional) on staff to evaluate project specifications, understand the customer's intent and provide documentation for certification submittals.

Steel and Adaptable Furniture Systems
Steel and Adaptable Furniture Systems include:
- Adaptable casework systems are designed to be repositioned and reconfigured resulting in product reuse and extending the product life to match the building's useful life cycle. A broad range of standard components can be reused to allow the end-user to adapt to changes in technology and disciplines.
- Thermo Scientific Harman steel, adaptable furniture systems and fume hoods are manufactured utilizing cold-rolled sheet steel and wood products.
- Current steel content is 15% (70% recycled zinc-coated steel and 30% cold-rolled steel).
- Current wood content is minimum 75% recycled content.
- Thermo Scientific Harman steel furniture contains agrifiber cores and veneers made from rapidly renewable materials.
- Agrifiber cores and veneers are offered by Thermo Fisher Scientific.

Steel is North America's top recycled product. Thermo Scientific Hamilton steel, adaptable furniture systems and fume hoods are manufactured utilizing cold-rolled steel with a high recycled content.

Adaptable casework systems are designed to be repositioned and reconfigured resulting in product reuse and extending the product life to match the building’s useful life cycle. A broad range of standard components can be reused to allow the end-user to adapt to changes in technology and disciplines.

Airflow Products
Thermo Fisher Scientific provides a suite of fume hood products to address the changing needs of today's end-users, while continually improving the quality of laboratory airflow, high-efficiency particulate air (HEPA) filters and more to deliver energy savings, reducing operating costs. Pioneer® and Concept® fume hoods reduce fume hood operating and maintenance costs while delivering high performance and reliability.
Corporate Commitment
Thermo Fisher Scientific’s core strategic focus on operational excellence, particularly in environmental stewardship, has led to several major corporate initiatives. These include:

- **Corporate Initiatives**
  - Utilizing monitor systems that alarm in an operational unsafe event, helping to provide operator safety.
  - Developing and using adhesives and glues that are significantly below LEED standards for Indoor Air Quality. - no HAPs and minimal VOCs.
  - Improving air quality by offering localized exhaust devices to further reduce tempered air exhaust levels emitted when handling non-toxic materials.
  - Pioneering the development and implementation of UL 1805 airflow standards.
  - Adapting state-of-the-art systems to meet the evolving needs of organizations and programs that promote the advancement of environmental stewardship.

- **Wood Furniture**
  - Source hardwoods, veneers and plywood which originate from managed forests according to FSC standards.
  - FSC certified sustainable woods, and glues containing no added formaldehyde.
  - Developing a high chemical resistant waterborne wood finish (now adopted by the lab industry) to meet LEED requirements — no LVOC and normal VOCs.
  - Applying finish in custom spray booths to reduce airborne emissions and boost wood transfer.
  - Maintaining natural resources with advanced CNC equipment.
  - Developing and using adhesives and glues that are significantly below LEED standards for indoor air quality.
  - Applying wood waste to heat manufacturing facilities.
  - Expanding the product line to include wheat board cores, bamboo, recycled wood products with at least 50% post-consumer content.
  - Adhering to standards established by the Forest Stewardship Council.
  - Wood regeneration following a white harvest.
  - Protection of soil and the productivity.
  - Wood-reused test management practices.
  - Protection of significant ecological/historical sites.

- **Steel and Adaptable Furniture Systems**
  - Developed and using adhesives and glues that are significantly below LEED standards for Indoor Air Quality.
  - Improving air quality by offering localized exhaust devices to further reduce tempered air exhaust levels emitted when handling non-toxic materials.
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- **Airflow Products**
  - Providing a variety of fume hood products to address the changing needs of today’s end-users while continually improving safety and efficiency for a better work environment. Energy efficient and eco-friendly fume hoods meet current and future LEED guidelines.
  - Enhancing energy cost savings, reducing operating costs. PowerFree® and Concept® products are noted for reducing the risk for fume hood containment performance, helping to provide operator safety.

- **Steel and Adaptable Furniture Systems**
  - Steel is North America’s top recycled product. Thermo Scientific® promotes the use of powder coat reclaim booths, advanced HVAC air handling systems and various safety initiatives that promote the use of steel while reducing waste.
  - Using Chain-of-Custody wood products from sustainable forests.
  - Furnishings that meet the犊SEFM-8 industry performance standards.
  - Designing and using adhesives and glues that are significantly below LEED standards for Indoor Air Quality.
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- **Thermo Fisher Scientific’s Core Strategic Initiative**
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The Thermo Fisher Scientific Habits lines that can be drawn upon to build the optimal solution include:

- Wood Casework
- Steel Casework
- Plastic Laminate Casework
- Phenolic Resin Casework
- Stainless Steel Casework
- MAX/Lab® Adaptable Furniture System
- MAX/Maker® Adaptable Furniture System
- Distinctive® Laboratory Bench System
- C-Frame® Adaptable Furniture System
- P-Frame® Adaptable Furniture System
- MAX/Lab® Adaptable Furniture System
- Distinctive® Fume Hood

Dealer Planning Expertise

Our dealers are a network of full support laboratory specialists who prefer to get involved in the earliest possible planning stages so they can offer helpful suggestions that can make your laboratory work easier and more efficient than ever before.

Whether it’s product innovation or new construction Thermo Scientific Hamilton dealers have the skills, the expertise and product selection to get the job done efficiently and cost effectively.

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LEED 2.2 Credit Category and Point Distribution

- Sustainable Sites – 22%
- Energy and Atmosphere – 27%
- Water Efficiency – 8%
- Materials and Resources – 20%

The Thermo Fisher Scientific products and practices designed to provide benefits for sustainable laboratory environments in how they are sourced, designed, fabricated and installed.

The Green Building rating system is based on a point system with five mandatory credit categories plus an optional category for Innovation and Design. Although no manufacturer can directly qualify for point accumulation, Thermo Fisher Scientific products, practices and processes can help contribute to the overall scope of the project.

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For Innovation and Design. Although no manufacturer can directly qualify for point accumulation, Thermo Fisher Scientific products, practices and processes can help contribute to the overall scope of the project.

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LEED 2.2 Credit
Innovation and Design

- EQ 1.2 Design Energy Reduction 20% new, 10% existing
- EQ 1.1 Design Energy Reduction 20% new, 10% existing
- EA 1.4 Design Energy Reduction 50% new, 40% existing
- EA 1.3 Design Energy Reduction 50% new, 40% existing
- EA Prerequisite 2 Minimum Energy Performance Required
- EA Prerequisite 1 Fundamental Commissioning Required

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Thermo Fisher Scientific

The Leader in Environmental Laboratory Solutions
# U.S. Green Building Council LEED 2.2 Certification

Thermo Fisher Scientific supports and benchmarks initiatives based on the U.S. Green Building Council LEED 2.2 building rating system. The overall building approach involves and guides a collaborative, integrated design and construction/operation/maintenance process.

Our green efforts are integrated into the manufacturing strategy and processes. Thermo Fisher Scientific invests in manufacturing technologies that will yield benefits for the environment, employees, customers, and the community.

## LEED 2.2 Credit Category and Point Distribution

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<tr>
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<tr>
<td>Water Efficiency</td>
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<tr>
<td>Indoor Environmental Quality</td>
<td>23%</td>
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## Thermo Fisher Scientific’s Solutions

- **Laboratory Fume Hoods**
- **Adaptable Table Systems**
- **MAX/Wall® Technical Wall System**
- **System XL™ Adaptable System**
- **P-Frame™ Adaptable Furniture System**
- **C-Frame™ Adaptable Furniture System**
- **MAX/Mobile® Adaptable Furniture System**
- **Stainless Steel Casework**
- **Phenolic Resin Casework**

These solutions are designed to provide benefits for sustainable laboratory environments in how they are sourced, designed, fabricated, shipped, and installed. Thermo Fisher Scientific’s products and practices can help contribute to the overall scope of the project.

## Distribution:

LEED 2.2 Credit Category and Point

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## Credit Requirements

### LEED 2.2 Credit Requirements

- **Sustainable Sites**
  - 1 Credit: Certified Site
  - 2 Credits: Silver Site
  - 3 Credits: Gold Site
  - 4 Credits: Platinum Site

- **Energy & Atmosphere**
  - 1 Credit: Energy Use Reduction
  - 2 Credits: Energy Use Reduction

- **Water Efficiency**
  - 1 Credit: Water Use Reduction

- **Indoor Environmental Quality**
  - 1 Credit: IAQ Management Plan

- **Materials & Resources**
  - 1 Credit: Recycled Content
  - 2 Credits: Regional Materials

### LEED 2.2 Prerequisite Requirements

- **Fundamental Commissioning**
- **Minimum Energy Performance**

## Additional Information

Thermo Fisher Scientific Hamilton products and practices are designed to provide benefits for sustainable laboratory environments in how they are sourced, designed, fabricated, shipped, and installed. Our green efforts are integrated into the manufacturing strategy and processes. Thermo Fisher Scientific invests in manufacturing technologies that will yield benefits for the environment, employees, customers, and the community.

## Thermo Fisher Scientific’s Solutions

- **Wood Casework**
- **Steel Casework**
- **Phenolic Laminates Casework**
- **Painted Steel Casework**
- **MAXL® Adaptable Furniture System**
- **MAXW® Technical Wall System**
- **MAXW®/Mobile Adaptable Furniture System**
- **Distinctive® Laboratory Bench System**
- **C-Frames® Adaptable Furniture System**
- **P-Frames® Adaptable Furniture System**
- **Adaptable Table Systems**
- **Laboratory Fume Hoods**

## Dealer Planning Expertise

Our dealers are a network of full support laboratory specialists who are proud to get involved in the workable possible planning stages so they can offer helpful suggestions that can make your laboratory work easier and more efficient than ever before.

Whether it’s product innovation or new construction, Thermo Scientific Hamilton dealers have the skills, the expertise, and product line selection to get the job done efficiently and cost effectively.

## Contact Information

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- **Phone:** 920-793-1121
- **Two Rivers, WI 54241**
- **1316 18th Street, P.O. Box 137**