Building a Sustainable Network Infrastructure

Creating a Better Planet for Future Generations

Environmental sustainability is transforming our industry. We take a customer-centered approach to sustainability—it is our responsibility and commitment to be environmental stewards while we help support our customers on their sustainability journey.

From the sustainable design and packaging of our FlexFusion™ cabinet to reducing energy consumption with our SmartZone™ UPS and PDUs to gaining efficiencies and reducing waste with our Vari-MaTriX HD cables and small diameter 28 AWG patch cords, we are aligning our efforts to our customers' sustainability objectives.

DOWNLOAD
Panduit Environmental Policy

Panduit Environmental Stewardship Pledge

Mobilize the talent and resources of Panduit to achieve our environmental stewardship goals and build a sustainable business for our customers and our world.

Carbon Footprint Reduction
Move to renewable energy sources and carbon neutrality

Drive Sustainable Product Innovation
Increase offering of products designed and developed with sustainability in mind

Support the Circular Economy
Convert to post-consumer materials for products and packaging

Eliminate Waste
Attain zero waste to landfill

Materials & Processes

Going Above and Beyond Industry Standards

It is vital for us to have above industry standards in relation to materials and processes to ensure alignment with our sustainability goals. For instance, environmental and health impacts of copper cable and connector materials are measured, analyzed, and reported as part of our Environmental Product Declaration (EPD) and Health Product Declaration (HPD) process.

DOWNLOAD: Panduit Environmental, Social, and Governance Report

25% reduction
in energy intensity

46.5% (metric tons)
in U.S. carbon footprint

10% reduction
in global fuel usage

ISO 14001:2015
certification maintained for all Panduit manufacturing facilities

Source: 2021 Panduit Environmental, Social, & Governance Report

Products

Sustainability Solutions for LEED Points

LEED®
LEADERSHIP IN ENERGY AND
ENVIRONMENTAL DESIGN

We can help you design sustainable solutions. Panduit was the first manufacturer to offer Environmental Product Declarations (EPDs) and Health Product Declarations (HPDs) for both RJ45 jack modules and copper cabling. EPDs and HPDs are third-party verified reports that help end users earn points toward LEED certification for their buildings.

To first make designs sustainable, one must understand the product's impact on the environment and health. EPDs and HPDs list the impacts of a given product on the environment and human health.

DOWNLOAD: Sustainability Solutions for LEED Points (Flyer)

VIEW: Completed List of Certified Products

The Panduit headquarters is a good example of sustainability in action. Our LEED (Leadership in Energy and Environmental Design) Gold Certified headquarters is an example of our commitment to a healthy, energy-efficient, and sustainable business environment.

DOWNLOAD: Go Green Brochure

Packaging

Small Packaging Changes Have a Large Impact

Some of the most common products Panduit manufactures for networking projects are connectors – both jacks and patch cords. Panduit offers sustainable packaging for patch cords and a selection of jacks and faceplates, which not only make them faster and easier to install, but also eliminates single-use plastic bags. We have begun transitioning all patch cords to a coiled cord with a paper flag label that is certified by the Forest Stewardship Council, which provides products that are responsibly produced. This move will eliminate millions of plastic bags each year, equivalent to more than 250,000 pounds of plastic.

Panduit also instituted a Packaging Council to identify emerging domestic and global packaging trends, improve recycling of packaging materials, identify reusable packaging options, and keep up with changes in global packaging requirements.

Reduce corrugated packaging waste by utilizing bulk package racks and cable managers for large accounts

Ensure 75% of Packaging contains renewable/recycled material by 2025

Decrease 15% of Single Use Plastic Packaging by 2025

Leading the Way in Sustainable Packaging

ATLONA®
a **PANDUIT** company

Atlona packages its AV components in boxes made from recycled paper, with vegetable oil-based inks, which are more sustainable.

VISIT: Altona Landing Page

No More Paper Trail

Need installation instructions for a Panduit product? Paper copies have been eliminated from most packaging and installers can now access digital copies via the website or through an app. Similarly, Atlona removed paper user manuals from products and directs users to a digital copy and has plans to do the same with installation guides in the future.

Transportation

Smaller Cables Leave a Smaller Footprint

Innovations in Ethernet cabling solutions have resulted in the development and use of smaller cables – which are easier to work with and save space in cable trays, conduit, and networking racks. Additionally, smaller cables also have environmental benefits.

LESS MATERIALS:

- Vari-MaTriX HD cables are the smallest Category 6A cables on the market and **use 16% less materials than standard size cables**

- 28 AWG patch cords are produced using **45% less materials than standard 24 AWG patch cords,** meaning fewer natural resources consumed and less plastics manufactured

EFFICIENT SHIPPING:

- The smaller size of Vari-MaTriX HD cables equals smaller reels for the same length of cable, meaning more reels can be stored on each pallet

- Allows more product in the same footprint in a warehouse, jobsite, or truck, resulting in improved transportation efficiency, lower costs, and reduced environmental impact

- Standard pallet capacity is 36 reels, compared to 12-27 reels per pallet for other Category 6A cables

- Consolidated shipping to distribution

- **Increased efficiency** by double stacking of pallets and maximizing container capacity

- Drop ship available to **reduce emissions associated with transportation**

WATCH

Vari-MaTriX HD Category 6A Video

Onsite Implementation

Sustainable Data Center Solutions

At Panduit we strive to design Data Center solutions to help our customers advance their environmental sustainability goals.

We are committed to decreasing packaging waste and reducing energy consumption with our thermal optimization solutions, as well as our UPS, cabinet, and PDU products.

Cooling and Costs Saved with Cabinets & Containment

- FlexFusion™ white-colored cabinets can save up to 30% in lighting costs (1.5%-3% data center energy savings)

- Net-Contain™ Universal Aisle Containment solutions reclaim underutilized cooling capacity and reduce energy expenses

Power Distribution for a Powerful Sustainable Outcome

- 415V PDUs that are brought to the rack can supply 240V for IT equipment, improving efficiency by as much as 14% compared to the same piece of equipment running on 120V

- SmartZone™ UPS reduces energy waste and electricity costs with a green design. It is RoHS and Reach compliant. It is also CE certified. This product has earned the UL Certified Mark. In addition, the Uninterruptible Power Supply earned the ENERGY STAR®.

- SmartZone™ G5 PDU environmental and security accessories work together to play a key role in reducing energy usage, increasing capacity, and maximizing data center safety

- SmartZone™ Cloud Software allows data center managers to plan and manage capacities, optimize cooling for energy savings and resiliency, as well as increase availability while closely managing power

Cable Management That Reduces Floor Space

The FlexCore™ Optical Distribution Frame can also be mounted against a wall due to it requiring only "front access" for installation, moves, adds, and changes. Other 19-inch fiber distribution products often placed in a rack or cabinet may need to utilize rear access for installs. The modular configuration can help Multi-Tenant Data Center providers get the most value as key areas on the floor are not being utilized.

- Compared to typical data center cabinets (42U height and 19-inch width), the FlexCore™ Optical Distribution Frame can reduce floor space in a data center by 50%*

  *Assumes four double frames (two double frames in a 'back-to-back' arrangement). Design conditions and configuration specifics apply.

DOWNLOAD: Customer Case Study
The Panduit IT Infrastructure and Network Data Center Solution enables Orange Jordan to Deliver a More Efficient and Sustainable Colocation to its Customers

Smart = Sustainable

Panduit offers a wide range of products that are used to build and connect smart buildings and a key component of smart building technology is sustainability. Smart building technologies connect various building functions and rely on data to efficiently manage the building. Some of the environmental benefits of smart buildings include:

- Data analytics track energy usage and expenses of individual building assets to better manage energy consumption

- Sensors can track occupancy of rooms and use of equipment, turning off appliances and services when they are not being used to reduce energy use

- Dependence on Power over Ethernet reduces the amount of dedicated power lines, receptacles, and power adapters throughout a building, instead delivering power and data to devices through a single low voltage cable

Panduit is continuing to research and design more sustainable products and solutions to build and connect smart builidngs.

DOWNLOAD
Customer Case Study
BMW Dealership Builds Smart, Sustainable Headquarters with Panduit Infrastructure

DOWNLOAD
Atlona New Products Brochure

Reducing Power Consumption through our AV Products

Atlona designs AV products with power consumption in mind, using as little power as possible, without sacrificing performance. Display controls lower the power consumption of displays and projectors. And, Atlona amplifiers all are ENERGY STAR certified products.

PANDUIT™

Panduit Difference

Panduit is committed to delivering a consistently high level of quality and service the world over. With a presence in more than 100 countries, local Panduit sales representatives and technical specialists offer guidance and support that bring value to your business. Our global supply chain, which includes manufacturing, customer service, logistics, and distribution partners, provides prompt response to your inquiries and streamlines delivery to any worldwide destination.

Our most important connection is with you.

We have the knowledge and experience to help you make the most of your infrastructure investment.

www.panduit.com

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