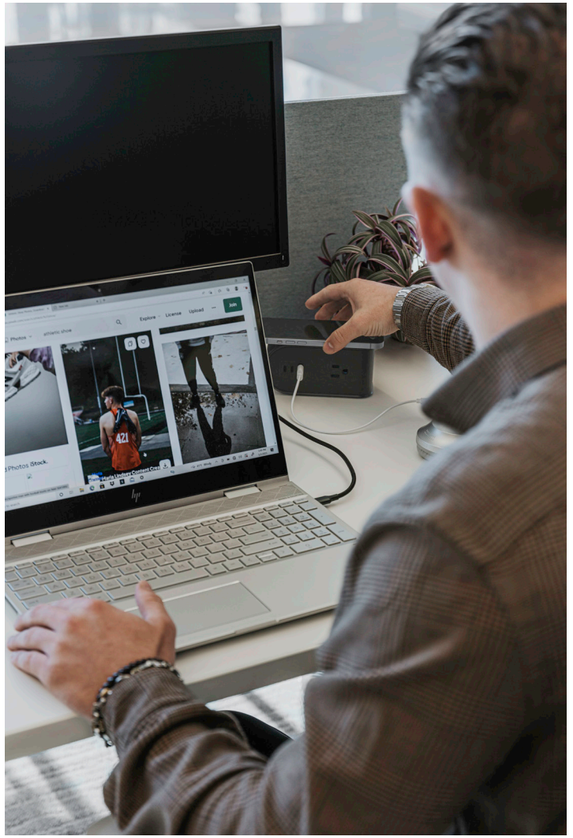
HAWORTH

Power Design Guide



Energizing environments
by design



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Sparking Powerful Connections

The modern workplace runs on connections—among people, their ideas, and their technology. Power sources are the unsung heroes of the workplace, quietly working behind the scenes to keep these connections fluid. In this guide, you'll find insights, applications, and solutions that ensure power and data accessibility, spark innovation, and drive productivity.

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Power

Basics

Surge in Demand

Seven Power Trends to Watch

As technology becomes increasingly embedded in every aspect of life, demand for efficient power solutions continues to rise. Along with this increased need for power, we desire immediate access to information, seamless connection with each other and our work, and the flexibility to use our devices comfortably, in any type of setting. Read on to explore seven trends that highlight our increased appetite for power and what companies are doing to keep pace.



Increase in Device Efficiency

Devices are becoming increasingly efficient. The result is reduced power draw, faster charging, and often using USB-C as a universal standard. To support this, workplace design should deliver mixed-modality solutions that combine AC outlets, USB-C charging, and modular power options. This approach minimizes circuit counts, supports diverse device types, and keeps spaces adaptable for evolving technology.

Industrial Reshoring

US manufacturing is making a comeback. Spending has doubled since the end of 2021, driven by construction for computer, electronic, and electrical manufacturing. As more companies include engineering, R&D, and prototyping spaces in their offices, workspace design should include flexible power zones to support light industrial equipment, specialized workstations for evaluating components, and higher-load circuits.



Grid & Infrastructure Modernization

Under pressure from rising demand, utilities are investing in next-generation technologies to upgrade aging systems and improve reliability. Power plans that incorporate surge protection, on-site backup strategies, and adaptable power-routing pathways will help future-proof the office for utility changes.



Decarbonization & Sustainability

Driven by regulatory momentum and stakeholder expectations, companies are pursuing low-emission strategies without sacrificing performance. To help organizations achieve their emissions goals, workspaces will need energy-efficient power systems for products that help track and reduce consumption.



Workforce & Safety Evolution

The power and data sectors are rethinking workforce readiness and safety protocols, embedding resilience into every phase of project development. Clear, ergonomic access points for power and cable management that minimize hazards can help enforce safety standards across shared and individual spaces.



AI & Data Centers

The explosion of generative AI, machine learning, and crypto mining is fueling massive growth in data center electricity consumption. Moving forward, designers will need to plan for greater power availability, redundancy, and scalable distribution—especially in offices supporting data-heavy teams.



Portable Power Source Exploration

Portable batteries and mobile power modules are becoming viable alternatives as more flexible power sources. As part of the workspace planning process, designers will need to evaluate the role of mobile power in the office and make accommodations for storing, charging, and safe end-of-life planning for the power components.

The Power of Good Planning

Successful power planning starts at the beginning of a project, when you determine the requirements of the people using a space. The key is fulfilling their needs both now and for the future by creating a power plan that can flex to accommodate rapidly evolving technology. Whether you're designing a building, workspace, or product, here are some practical tips to keep your power specs on point.

TIP

Make sure furniture won't block wall plugs. Place floor outlet boxes and power modules in spots where people can conveniently access them.



Identify All Equipment

Make a list of every device, appliance, or system that will draw power, including HVAC, lighting, computers, machinery, etc.

Use Nameplate Ratings

Check the manufacturer's data for voltage, amperage, and wattage on all equipment. These ratings will identify the amperage at the highest expenditure, which may never actually occur. As an example, when fully loaded to weight capacity, powered height-adjustable tables (HATs) often draw less than half the amp rating noted.

Account for Diversity within the System

Not all devices run simultaneously. Calculate the diversity factor to avoid over-specifying, while ensuring the system can handle the actual peak load.

Match Voltage to Utility Supply

Know whether you're working with a 120V, 208V, 240V, or 480V system. Specify single- or three-phase supply based on the load type—resistive, inductive, or capacitive. Note that a three-phase supply is common for larger loads.

Use Load Calculation Software

Power planning tools like ETAP, SKM, or Revit MEP can automate and validate your specs.

Follow NEC Guidelines

The National Electrical Code (NFPA 70) is your guide for safe and compliant design.

Coordinate with Electrical Engineers

Early collaboration avoids costly redesigns later.

Label Everything

Use clear, consistent naming for circuits, panels, and equipment in design plans and on physical components.

Provide Load Schedules

Include detailed panelboard schedules and riser diagrams in design plans.

Specify Breakers & Protection

Include ratings for circuit breakers, fuses, and surge protection in design plans.

TIP

Be sure cords are well managed throughout a space. People should not be able to see or trip over them.

Three Essentials for Planning Success



1.

Determine Purpose

Prioritize ensuring your shared understanding of power needs with the project team and client. For example, a call center's technology may require a significantly greater amount of power and more access points than a legal office. Everyone needs to be on the same page.

2.

Communicate & Collaborate

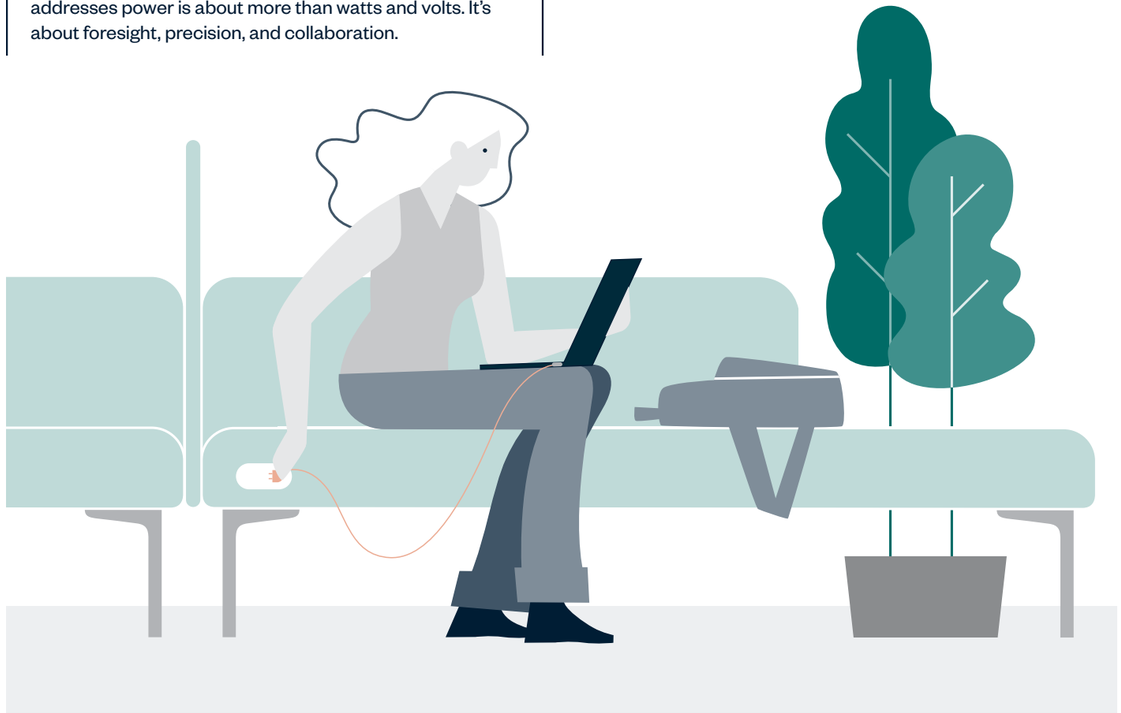
Engage the right professionals from the outset, including designers, consultants, architects, electricians, data specialists, dealers, code experts, and a Haworth technical representative. Work together to determine how much power is needed and where will it be located.

3.

Implement the Plan

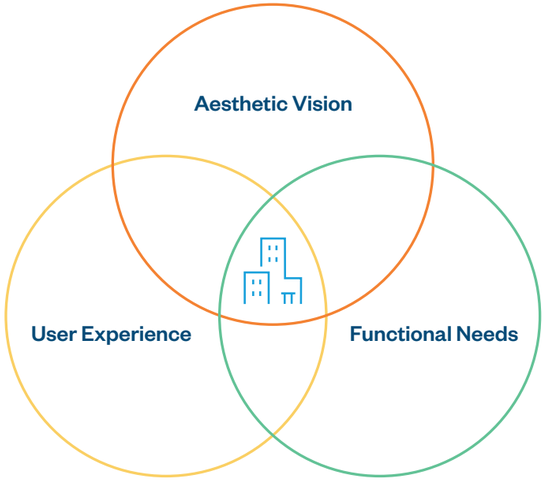
Be sure to communicate all insights gained during the planning phase with the teams in charge of implementation. Teams installing the furniture, electrical wiring, and data systems need to know your plan.

Did You Know? Creating a design that purposefully addresses power is about more than watts and volts. It's about foresight, precision, and collaboration.



Plug In to Power Specification

Designers who specify furniture and architectural products face the challenge of balancing aesthetic vision, functional needs, and user experience—all within the realities of the building's existing infrastructure. When it comes to power, here are several important factors to consider when working with your design tools.



Amps÷Voltage=Watts

Did You Know? Equipment might be rated in amps or watts. To quickly convert amps to watts, divide by voltage. For example, if a hair dryer is rated at 1,200 watts, divide by 120 volts, which equals 10 amps.

Know the Building's Electrical Backbone

Existing power distribution: Is the building using floor outlet boxes, wall outlets, ceiling drops, or modular power systems?

Voltage and circuit capacity: Ensure that specified products are compatible with the building's voltage and amperage limits. Most buildings can support 2-, 3-, and 4-circuit modular power systems, but this should be verified during specification.

Panel locations and conduit paths: These determine where powered furniture can be placed without costly rewiring. Review CAD drawings, conduct field checks, or consult an electrical engineer or IT professional for accurate details.

Consider the Current and Future User Experience

Flexibility and maintenance access to outlets: Don't bury power sources behind immovable furniture. Think about how users will plug in and how facilities teams will service components.

Future-proofing: Specify products that allow for easy upgrades or reconfiguration as tech evolves.

Think Ahead When Selecting Furniture & Power

Furniture with built-in power: Many workstations, conference tables, and lounge pieces now include integrated outlets, USB ports, and wireless charging. Confirm these meet UL standards and are compatible with local code.

Modular power systems: Look for products that can daisy-chain or plug into existing modular systems.

Cable management: Specify solutions that hide cords elegantly while allowing easy access for maintenance.

Follow a Purposeful Planning Process

Design tools (Revit, CET Designer, or Configura): These tools provide manufacturer-specific blocks with power specs. Use them to plan outlet placement, cable routing, and load distribution.

Layered planning: Create separate layers for power, data, and furniture in your design to ensure coordination and avoid clashes.

Tagging and annotation: Clearly label powered components and connection points in drawings to guide installers and electricians.

Energy Consumption & Compliance Download

Power design impacts both user experience and safety. Knowing, understanding, and adhering to regulations, safety standards, and best practices is a must. Read on for more insights and actions you can take to successfully integrate power into your workplace design.

Certifications

Aligning with TIA's standards for telecommunications and data center infrastructure supports performance and expectations. Complying with the legally enforced requirements of the NEC is essential for passing inspections, avoiding fire and shock hazards, reducing liability, and ensuring the product can be legally installed and widely adopted.



	Insights	Actions
Best Practices	The design team should be in constant communication with the facilities unit, ensuring that the design is aligned with spatial needs and everyone is following industry best practices.	Use professional installation, regular testing, and maintain documentation. Plan for scalability and future upgrades. Use sealed, self-contained systems like DualCircuit™ and Power Base™ from Haworth to help ensure consistent compliance with regulations while providing flexible solutions for various workspace configurations.
Design Implementation	The implementation phase demands careful attention to both aesthetic and functional requirements.	Plan power distribution layouts that complement the workspace while adhering to all safety and compliance standards. This includes properly placing junction boxes, raceways, and fittings that maintain required separations between power and communication systems. You'll also need to document compliance measures and system specifications throughout the implementation process.
Cable Management & Safety	Effective cable management is critical in preventing electromagnetic interference (EMI) and ensuring workplace safety. The NEC specifically prohibits running communication cables alongside electrical power circuits in the same raceways or compartments.	Implement proper separation distances between power and communication cables, utilizing sealed self-contained systems like DualCircuit and Power Base from Haworth. These products prevent cables from tangling, ensure consistent compliance with regulations, and provide flexible solutions for various workspace configurations.
System Integration	Successful system integration requires careful planning to accommodate both power and communication needs while maintaining required separation.	Consider how different systems coexist within the space and ensure that power distribution systems don't interfere with communication pathways. Solutions like sealed self-contained systems offer effective ways to integrate power while maintaining compliance with separation requirements. These systems also allow for clean, efficient workspace design that supports both current and future technological needs.
Regulatory Standards & Compliance	When designing spaces with power considerations, adhere to regulatory standards. The National Electrical Code (NEC) and Telecommunications Industry Association guidelines (TIA-569) establish crucial requirements for power implementation.	Understand and comply with NEC requirements and ensure all systems meet UL certification standards, specifically UL 183 for Manufactured Wiring Systems and UL 1286 for Office Furnishing Systems. These regulations form the foundation for safe and compliant power integration in workspace design.

Well-Being Connections

Access to electrical power and data in the workplace might seem like a purely functional concern, but it's deeply tied to well-being, productivity, and personal empowerment. A well-powered workspace quietly communicates, "We've thought about you. You matter here." This message ripples into everything from job satisfaction to retention.

Empowerment through Access

Encourage autonomy and control: When employees can easily plug in their device—whether it's a laptop, phone, or even a personal fan—they feel more in control of their environment. That sense of autonomy contributes to psychological comfort.

Reduce friction: Scrambling to find an outlet or negotiating with coworkers over charging space creates micro-stressors. Eliminating those micro-stressors boosts focus and reduces daily irritations.

Cognitive & Emotional Impact

Minimize tech anxiety: Low battery anxiety is real. If someone's tools are dying and there's no outlet nearby, it can trigger stress, especially in high-stakes or time-sensitive work.

Enhance perceived value: A workspace that thoughtfully integrates power access signals that the organization has considered the employees' needs. This can elevate morale and foster a sense of belonging.

Physical Comfort & Ergonomics

Avoid awkward setups: Poor access to power often leads to tangled cords, unsafe routing, or uncomfortable postures. Over time, this can contribute to emotional stress and physical strain.

Encourage movement: Strategically place power access to support furniture designed for flexible workstyles, including height-adjustable desks, lounge areas, or collaborative zones. Avoid tethering people to one spot.

Inclusivity & Equity

Ensure universal access: When only certain desks or zones have power, this can create a hierarchy where some employees have better tools than others. Equal access supports fairness and team cohesion.

Consider accessibility needs: For employees with medical devices, assistive tech, or mobility challenges, reliable power isn't optional—it's essential.





Power

Applications

Power Design for Diverse Spaces

Power has the potential to enhance the unique ways people work, connect, and recharge. In the following applications, you'll see examples of four types of settings, each with unique power needs. Our goal is to inspire you with ideas for specifying supportive power sources that allow for comfort and flexibility.

Scan to see the Revit symbols.



High Impression

These spaces reflect your brand and set the tone for the work or hospitality experience. Power solutions should be discreet yet impactful—supporting digital displays, lighting, and visitor needs without disrupting aesthetics.

Restore & Connect

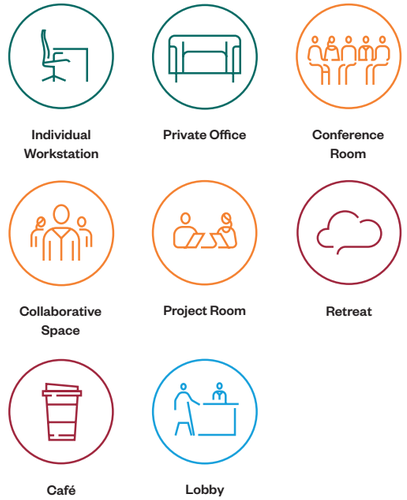
From quiet lounge settings to social hubs, these spaces benefit from accessible power for personal devices and soft, easy-to-adjust lighting. Power should support comfort and flexibility without overwhelming the environment.

Team Engagement

In formal or informal team spaces, idea generation, learning, and collaboration thrive when power is easy to access. Equip these collaborative spaces with flexible, multi-user power options that support laptops, interactive displays, and mobile tools without clutter or constraint.

Individual Focus

From individual workstations to private offices, spaces where heads-down work occurs should have intuitive, personal power access. Support focused work with integrated power at desks, task lighting, and charging for personal devices—enabling uninterrupted focus and productivity.



Individual Workstation

When a workspace is well equipped with power accessibility, it shows the organization values people's time and comfort. Poor planning, on the other hand, leads to frustration and inefficiency. For example, a workstation should provide enough accessible power for every device an individual needs to use at once.

Helpful Tips

- When placing furniture, ensure floor outlets boxes and power modules stay easy to reach.
- Remember to check cable chain capacity and plan for the number of cords you'll need to route.
- Watch for any collisions between moving parts and accessories under the surface.
- Note where monitor arm power connects; cords typically aren't long enough to run through the cable chain.
- Keep power brick or adapter weight in mind when choosing wire management solutions.
- Ensure power cords are long enough to reach outlets for height-adjustable tables and power modules.
- Select a modular power system that delivers the right amount of power for your setup.

Good Power Design

- Allows you to plug in a laptop, monitor, phone charger, and other devices without crawling under the desk.
- Includes outlets that are built into the desk, monitor arms, or nearby walls—no awkward stretching or unplugging required.
- Supports modern devices without bulky adapters or power bricks.
- Keeps cords tidy and out of the way, reducing clutter and tripping hazards.
- Allows you to stay focused, work without interruption, and stay comfortable throughout the day.
- Includes surge protectors or smart power strips that reduce energy waste.

Poor Power Design

- Creates unnecessary friction by requiring users to swap plugs or reach behind furniture.
- Places outlets on the floor, behind cabinets, or blocked by heavy furniture.
- Leads to tangled cords, which create visual clutter and are a potential safety risk.
- Requires adapters or chargers just to power basic devices.
- Disrupts focus and workflow when a device's batteries die mid-task due to inaccessible charging.
- Can be a fire hazard—especially in older setups with daisy-chained extension cords.



Private Office

Power accessibility impacts everything from efficiency to well-being, so the power setup in a private office needs to signal that the organization respects the occupant's time, tool needs, and autonomy. A supportive private office should include power design that boosts productivity, ensures comfort, and gives people control over their environment.

Helpful Tips

- When planning, ensure cords and outlets are out of sight and not tripping hazards.
- Check that your cable chain has room for all the cords you plan to route.
- Try to anticipate collisions between moving parts and accessories below the surface.
- Note where monitor arm power connects; those cords aren't long enough to route through the cable chain.
- Keep the weight of power bricks or adapters in mind when choosing wire management solutions.
- Double-check that power cords are long enough to reach outlets for height-adjustable tables and power modules.

Good Power Design

- Places power at desk level, near seating areas, and along walls, so no crawling or stretching is required.
- Builds outlets, USB ports, and wireless charging into the desk or monitor arms.
- Includes USB-C connections, fast-charging ports, and surge protection to accommodate today's tech without extra adapters.
- Routes cords through grommets or trays, keeping the space tidy and professional.
- Keeps the user's needs in mind, boosting satisfaction and pride in the workplace.

Poor Power Design

- Causes discomfort when a person needs to reach behind furniture or use extension cords.
- Leads to inefficiency when outlets are placed at floor level or across the room.
- Feels like an afterthought, which can subtly affect morale and engagement.



Conference Room

Power accessibility in a meeting or conference room can dramatically shape how people work together, communicate, and feel about the space. In these types of collaborative spaces, power design should reduce friction and contribute to an environment where ideas can flow freely.

Helpful Tips

- During the planning process, ensure floor outlet boxes and power monuments are easy to access and won't collide with chairs or be kicked or damaged.
- Remember to accommodate the number of people who will be sitting at the table with the right number of outlets.
- Be sure to consider each conference room's purpose during the planning process. A room used for traditional, scheduled meetings of an hour or less may have more basic power needs, while a room dedicated to strategic planning or longer workshops may have more complex requirements.

Good Power Design

- Integrates outlets and USB ports into the conference table, allowing everyone to charge devices without leaving their seats.
- Makes power accessible from all sides of the table—not just one or two spots—so no one feels excluded.
- Includes a variety of charging options, including USB-C and standard outlets.
- Hides or routes wires through grommets, keeping the space tidy and professional.
- Coordinates power with screens, microphones, and video conferencing tools—no scrambling for adapters.
- Keeps people engaged without worrying about battery life or awkward setups.
- Communicates that the organization values productivity, tech-readiness, and user experience.

Poor Power Design

- Causes discomfort and disruption when people need to leave the table or sit near walls to charge devices.
- Leads to hierarchy and frustration when outlets are located behind furniture, under the table, or only on one side of the space.
- Impacts efficiency by forgoing USB ports or fast-charging capabilities in favor of dated or low-performing outlets that may not support new devices.
- Creates tripping hazards and visual clutter with extension cords that snake across the floor.



Collaborative Space

Purposeful power design planning in a collaborative space empowers people to connect, share, and create without friction. The goal is to remove the invisible barriers that slow progress, so people are free to do their best work.

Helpful Tips

- Remember to accommodate the number of people who will be sitting at the table with the right number of power access points.
- When planning furniture, ensure elements that require power are located near planned power access. This includes consideration for A/V technology and movable furniture.

Good Power Design

- Accounts for multiple users working simultaneously, each using laptops, phones, and other devices.
- Includes abundant, distributed power access including power hubs, table-integrated outlets, and floor outlet boxes.
- Ensures connectivity for AV equipment, HDMI/USB-C connectivity, and network access points.
- Uses modular power systems, mobile power carts, or ceiling drops to support reconfigurability without rewiring.
- Features commercial-grade power modules, tamper-resistant outlets, and robust cable management to prevent tripping hazards.
- Offers visible and intuitive power.
- Plans for temporary power needs—extra outlets, extension capabilities, and possibly dedicated event circuits to support potential pop-up events, workshops, or presentations.

Poor Power Design

- Limits spontaneous collaboration by tethering people to the few available outlets.
- Creates “power deserts,” making large portions of the area unusable for focused group work.
- Causes inefficiency when the power plan doesn’t support a variety of personal devices and shared technology (like digital whiteboards.)



Project Room

Project rooms are often shared, dynamic, and tech-heavy spaces where ideas are born, tested, and refined. Purposeful power design turns the room into a launchpad for innovation, while poor planning can lead to frustration and inefficiency.

Helpful Tips

- During the planning process, ensure floor outlets and power modules are easy to access and won't collide with chairs or be kicked or damaged.
- Remember to accommodate the number of people who will be sitting at the table with the right number of power access points.
- Plan for flexibility by using modular power systems that a facilities team can reconfigure as teams grow or projects change.

Good Power Planning

- Places power at every seat, wall, and table—no one's left scrambling for a plug.
- Considers cable management that keeps cords out of the way, reducing trip hazards and visual clutter.
- Allows teams to move quickly between brainstorming, presenting, and building without tech hiccups.
- Provides seamless power for monitors, whiteboards, video conferencing gear, and prototyping tools.

Poor Power Planning

- Causes technical delays that break the rhythm of collaboration and frustrate participants.
- Limits what teams can create or test by not supporting the right technology tools.
- Makes the space feel chaotic and unprofessional with tangled cords across the floor and near tables.
- Disrupts workflow and seating arrangements by causing people to cluster near walls or corners.



Retreat

While most office settings prioritize constant connectivity, retreat spaces aim to reduce digital noise so people can relax and recharge. In these types of spaces, power access should be available but non-intrusive or limited to encourage people to unplug.

Helpful Tips

- During the planning process, ensure floor outlet boxes and power modules are easy to access and won't collide with chairs or be kicked or damaged.
- Consider including comfortable lounge furniture with integrated power modules that offer people easy access.
- When planning ancillary furniture, know where power access will be located. Avoid placing a piece of furniture that requires power in a spot that doesn't have power nearby.

Good Power Planning

- Reduces visual noise by hiding outlets and providing wireless charging.
- Supports mood-enhancing elements such as soft lighting, sound masking, aromatherapy devices, or sound machines.
- Accommodates soft music, guided meditation, or heated seating since retreat spaces may host restorative, non-work activities.
- Includes power system features that accommodate intermittent space use, such as motion sensors, auto shut-off, and other energy efficiency options.

Poor Power Planning

- Causes inefficiency when people must swap plugs.
- Leads to frustration when floor or wall power outlets are behind cabinets, or blocked by heavy furniture.
- Creates visual clutter and safety concerns with tangled cords.



Café

When designing a café space, integrate power access that considers hospitality, inclusivity, and adaptability for a wide array of people. Everyone from remote workers to guests to on-site employees uses these types of spaces. The goal is to make them feel welcome and connected every time they visit.

Helpful Tips

- During the power design phase, integrate outlets and technology ports into bar-height counters, communal tables, and booths.
- Remember to include fast charging ports for personal devices.
- Provide a mix of shared power hubs and individual access points that provide enough power for multiple users in the space.

Good Power Planning

- Places outlets at nearly every table, bar, or booth—no need to hunt or hover.
- Includes tables or banquettes with built-in outlets or USB ports, allowing for seamless connection.
- Has concealed or built-in power strips.
- Allows people to settle in without worrying about battery life, leading to longer stays and better experiences.

Poor Power Planning

- Causes friction when people must compete for limited spots or sit awkwardly near restrooms or entryways.
- Drives inefficiency with power access that's not optimized for modern devices.
- Leads to discomfort with outlets blocked by furniture, are too high/low, or require people to crawl under tables.
- Creates tripping or fire hazards with extension cords that snake across floors.
- Detracts from the warm, welcoming ambiance that's important in café spaces.



Lobby

Transitional spaces like lobbies support many types of people and their varied activities. Power accessibility should help a lobby feel like an inviting hub that supports people who might be visiting, waiting for meetings to start, charging up before a flight, or working remotely.

Helpful Tips

- While designing, plan for high traffic and durability by selecting commercial-grade power units that can withstand frequent use.
- Choose power units that blend with the design language while including clear power access cues to encourage use.
- During the planning process, it's helpful to determine the purpose of the lobby. For example, a doctor's office will require tamper-proof outlets.
- Remember to include power outlets that most people are comfortable using, such as 120V receptacles and USB charging ports.

Good Power Planning

- Provides easy-to-access outlets that don't require crawling under furniture or asking facilities staff for help.
- Supports modern devices without bulky adapters—especially helpful for travelers or remote workers.
- Keeps people moving—no one wants to wait an hour to get 20 percent battery life.
- Includes lounge chairs, benches, and tables with built-in outlets that make charging seamless and stylish.
- Offers integrated power that blends into the design.
- Allows visitors to work, relax, or recharge (themselves and their devices) while they wait, making the space feel useful and thoughtful.
- Shows that the organization values convenience, tech-savvy design, and user experience.

Poor Power Planning

- Lowers productivity when people must hunt for power or sit awkwardly near walls.
- Causes an uncomfortable experience when outlets are blocked by furniture or located only in corners.
- Detracts from the warm, welcoming ambiance, with outdated power delivery methods that don't support modern devices.
- Creates safety hazards and visual clutter with temporary fixes like power strips or cords across walkways.





Power

Solutions

Power Up the Workstation

When planning for the electrical infrastructure and components that deliver usable electricity to an individual workspace, your goal is to ensure that employees can operate their devices efficiently, safely, and comfortably. Haworth offers a multifaceted workstation power solution that fulfills people's needs for power and data in their workspaces.

Belong Power Modules

Provide easy access to power above or below the worksurface with portable, multifunctional solutions that include

Power Cube



Plug Strip



Power Suite



Cable Management Tray



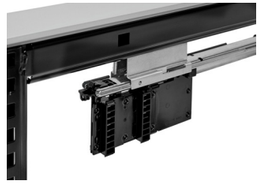


Full-Floorplate Power

Organizations seeking to maximize their real estate investments require smart, multi-use, and agile products that improve efficiency while supporting the diverse ways people work. These organizations are also looking for value-based solutions to accommodate the decreased level of power required by modern technology.

Floorplate Power

Power Base



Dual Circuit





Glossary

Amperage, Ampere, Amp

The volume (or quantity) of electrical current flowing through a circuit. This volume is measured in amperes, otherwise referred to as amps. The number of amps that an electrical device requires to operate is typically listed on the equipment's electrical nameplate.

Circuit

A complete path for an electrical current flowing from the building power source to the equipment being powered and back to the power source. The circuit's "hot" conductor carries 120-volt power to the equipment; the "neutral" conductor carries it back to the source. The "ground" conductor provides a safe escape route for power in the event of short circuits or other problems. Circuits are rated according to the number of amps they can accommodate. The total number of amps required by all the equipment in a furniture installment will dictate the number of circuits required.

Neutral Conductor

The conductor that carries the current back to the power source. It pairs with a hot conductor to complete a circuit.

Ohm

The measure of electrical resistance, or impedance, in a circuit. One volt will cause one amp to flow through one ohm of resistance.

Power Distribution Assembly (PDA)

The component that distributes power in the width of the panel and accepts power in-feed modules, flexible power connectors, and power receptacles.

Raceway

The power routing opening at the bottom of a panel.

Separate Neutral

A Haworth-designed circuit for furniture-based power systems that features a separate neutral conductor for each hot conductor. This innovation provides separation and prevents neutral conductor overloading and overheating caused by harmonic current.

Shared Neutral

A circuit design in which one of two conditions exists: All the hot conductors share a neutral conductor, or separate neutral conductors exist for some but not all the hot conductors. In equipment-intensive work environments, a shared-neutral system can cause the neutral conductor to overload or overheat, along with additional power quality issues. Power Base by Haworth avoids this potential problem by offering separate neutral conductors for each hot conductor.

Voltage & Volts

The measure of electrical pressure in a circuit. One volt of pressure is required to push one amp of current through a conductor with one ohm of resistance.

Wattage & Watts

The amount of power used by any electrical device. Wattage can be calculated by multiplying voltage and amperage. Watts can be converted to amps with this calculation: Watts divided by volts equals amps.



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