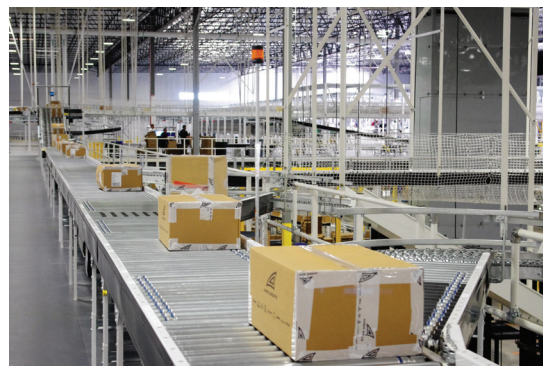




DMW&H is creating a new standard of distribution centers, one that surpasses the norm

REI's 393,000 square foot LEED Platinum certified and Net Zero Energy distribution center has been a trailblazer in design, sustainability, and technology. REI wanted to design a facility that was not only an innovative omni-channel distribution center, but one that was highly sustainable and met all their design parameters. DMW&H, a material handling integrator, who had previously designed the Pennsylvania REI facility took on the challenge, they searched technologies all over the world and discovered products that could be combined to create the system that was energy-efficient, had community engagement, and housed leading-edge material handling technology.

The goods-to-person workstation works at a high velocity with the shuttle and the pocket sortation system. The order fulfillment process is a "one-touch production," donor totes are automatically delivered by a min-load



shuttle system to a goods-to-person workstation, then handled once to fill store replenishment and direct-to-consumer orders. This system combines retail and customer orders at each workstation, enabling one person to process items eight times faster than they would at a typical distribution center.

The sustainable design incorporates different kinds of technology to achieve LEED Platinum certification. Its roof features a 2.2 megawatt solar system that produces enough energy to power the entire facility, or the equivalent of 390 homes for one year. The non-evaporative cooling system keeps temperatures consistent from floor to ceiling, helping dilute REI's carbon footprint. DMW&H installed productive and energy-saving equipment, including 24-volt conveyors with motor-driven rollers that shut off when no items are present to convey.



Visit DMWandH.com to learn more.