Human Engineering

As buildings become more intellectual, point-of-use engineering is critical to optimizing the user experience and building performance. Teams are developing solutions that place the user at the center of the solution with systems adaptive to change and resilient by design.

Empowered User

User-centric design transcends the physical and virtual world. While clients seek the best methods to capture and engage visitors through architecture, we are designing systems with points of use that optimize user experience and system performance. For a retailer, this elevates the role of technology, namely audio-visual, sensors and Wi-Fi systems on the sales floor to turn casual window shoppers into buyers, while educators and workplace visionaries are creating interactive, flexible spaces infused with personalized controls for an enhanced collaborative experience.

UX is one of 2019's highest in-demand creative design roles[1]
User eXperience is disrupting the conversation around form & function

Accessible Mobility

The integration of automated systems with converged technologies enhances the ability to monitor and maintain building systems. Placing the power of that information in the user's hands enhances workflow, alerts for preventative maintenance, and affords timely response to alarms. We are working with industry peers to leverage the power of networked equipment and devices to improve the experience of those planning and maintaining operating systems.

system outage/failure reduced by 73% in Hargis study
through design and maintenance standards for 14-site global client

An open door triggers hundreds of system alarms - false or real:
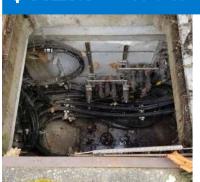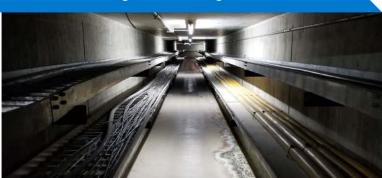
SECURITY

HVAC

LIGHTING

Informed Design

The uptick in life-safety and infrastructure design reflects the mid-century investment in public infrastructure. As owners approach retrofitting their systems with modern-day technologies, they are faced with the need to balance legacy systems operating in parallel to the new, funding and migration paths. We are working with owners to surgically upgrade large-scale and campus-wide systems that serve public safety, educational and governing institutions.

$112M+ Critical electrical/ telecommunications infrastructure upgrades identified in 2019-2021 Washington State Budget

[1] Dobrowski, Steve. "Digital Creative Salary Guide 2019." Onward Search, *Onward Search*, 23 Jan. 2019. www.onwardsearch.com/digital-creative-salary-guide-2019/. and "Hot Job: UX Designer." *UX Designer Job Description and Salary Outlook | Robert Half*, 30 Nov. 2018, www.roberthalf.com/blog/salaries-and-skills/hot-job-ux-designer.

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