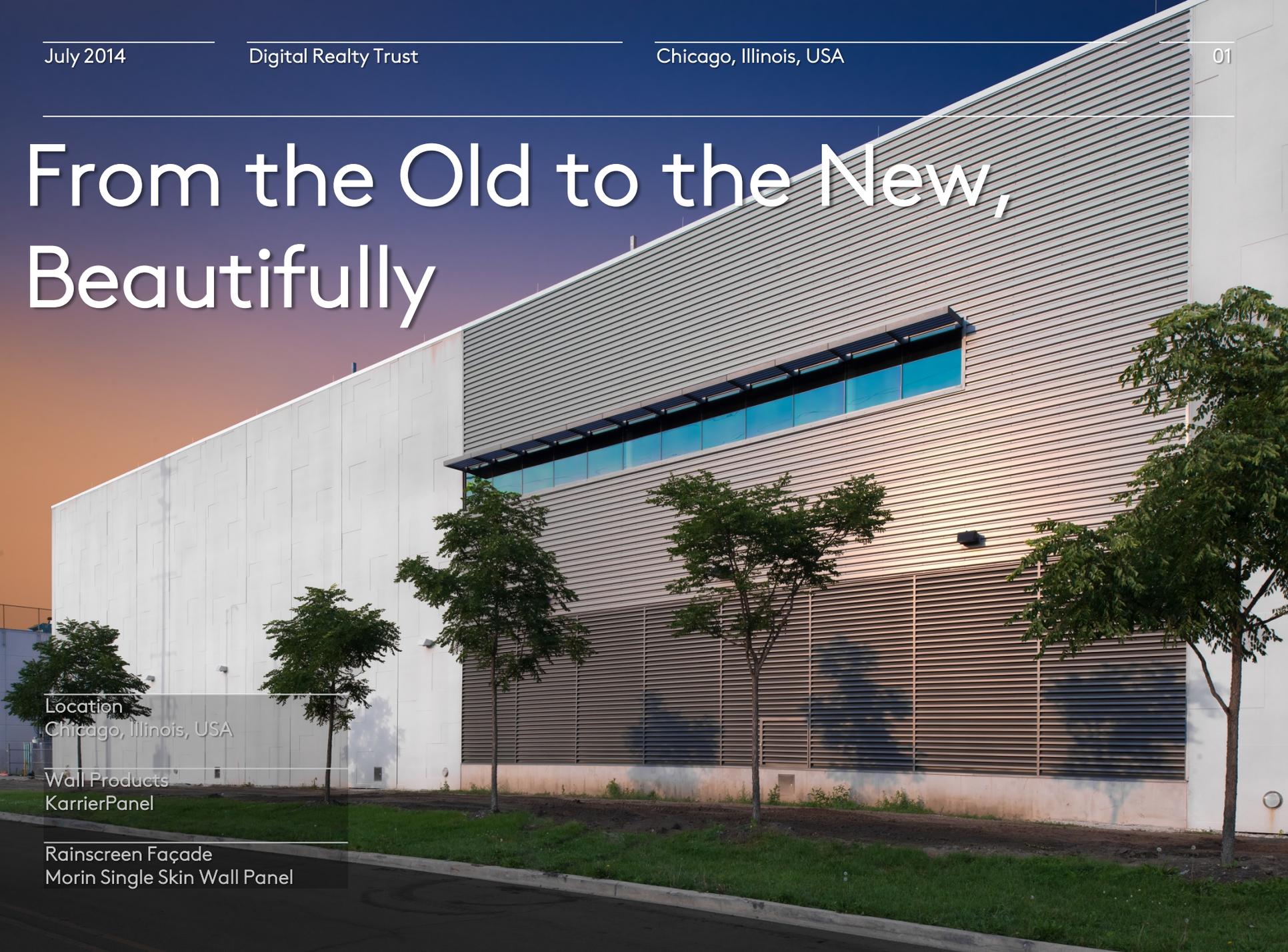


From the Old to the New, Beautifully

Location
Chicago, Illinois, USA

Wall Products
KarrierPanel

Rainscreen Façade
Morin Single Skin Wall Panel



Overview

Digital Realty Trust, a leading global provider of data center solutions, decided to convert a 575,000 square-foot single-story warehouse/light industrial facility into a high-end, 24/7/365 mission critical data center called Digital - Chicago.

The Kingspan KarrierPanel system was specified to achieve a fast-track critical path of cladding construction.



Wall Product KarrierPanel



Speed and Style

Business Challenge:

The main challenge facing the design team was to reduce construction time. Because this facility was urgently needed, a key concern was how to quickly enclose the building envelope.

Kingspan Solution:

The KarrierPanel system offers a more time efficient alternative to conventional multi-part façades, so a structure can be quickly insulated to ensure air and water tightness.

Once installed, the system also provides excellent building envelope performance with a high R-value and airtightness with an air, water and vapor barrier.

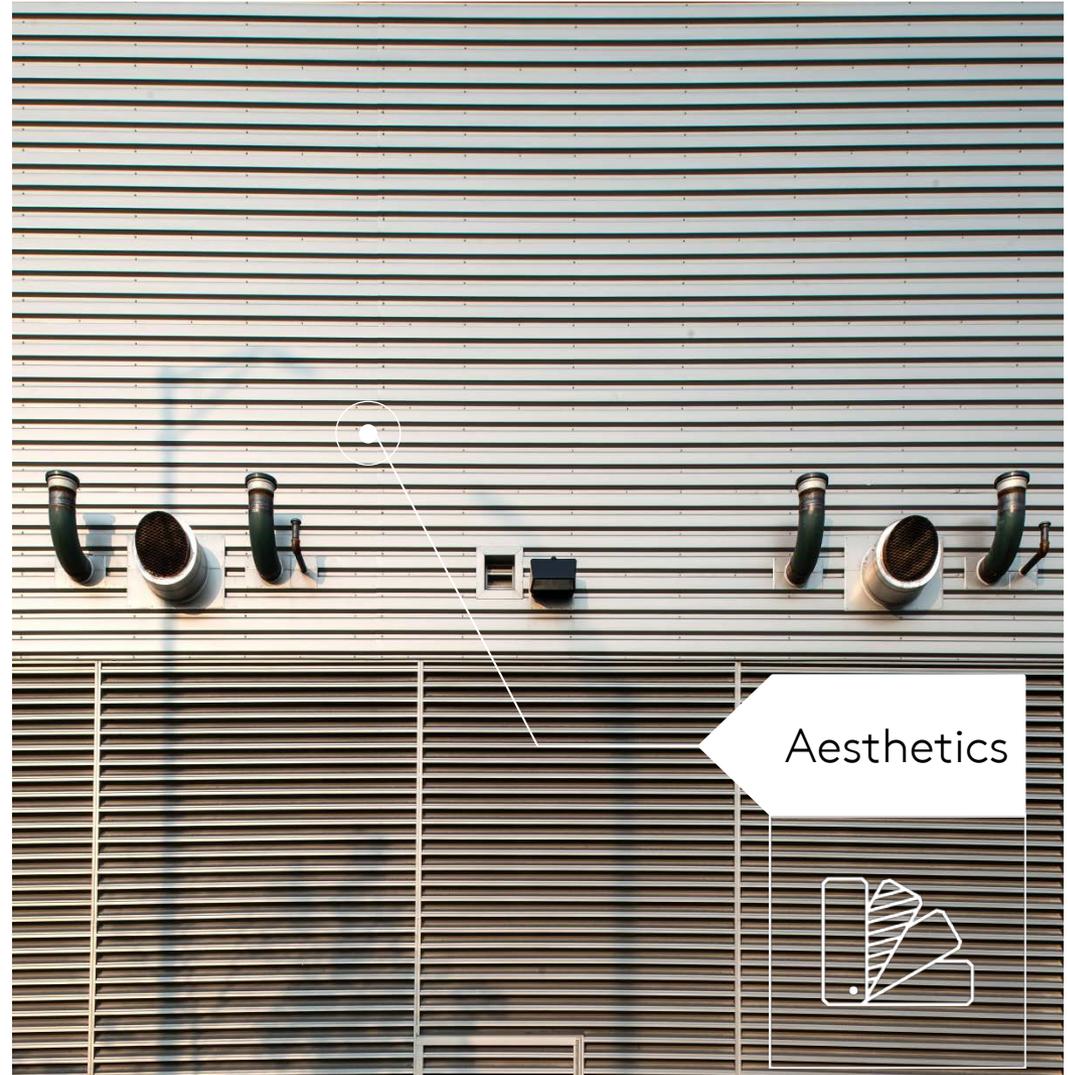


Reassurance on a Reuse Project

Architectural Benefits:

"Kingspan KarrierPanel, 3 inches thick by 42 inches wide, foam insulated wall panels were chosen as an alternate to typical building enclosure systems such as gypsum sheathing, weather barrier, insulation with sub-girt system, and rainscreen face panel," said Ryan Stojkovich, VP of Business Development for Hill Architectural Systems, which was contracted to perform this portion of the project.

He also commented that there were several unique design features on this project. "The building in Franklin Park was an old warehouse being converted to a new high tech facility and insulated metal wall panels greatly enhanced the design aesthetic for this adaptive reuse project," he said. "The main design elements of the project incorporated exposed fastener single skin wall panels by Morin and vertical foam insulated wall panels by Kingspan."



Weather Wise

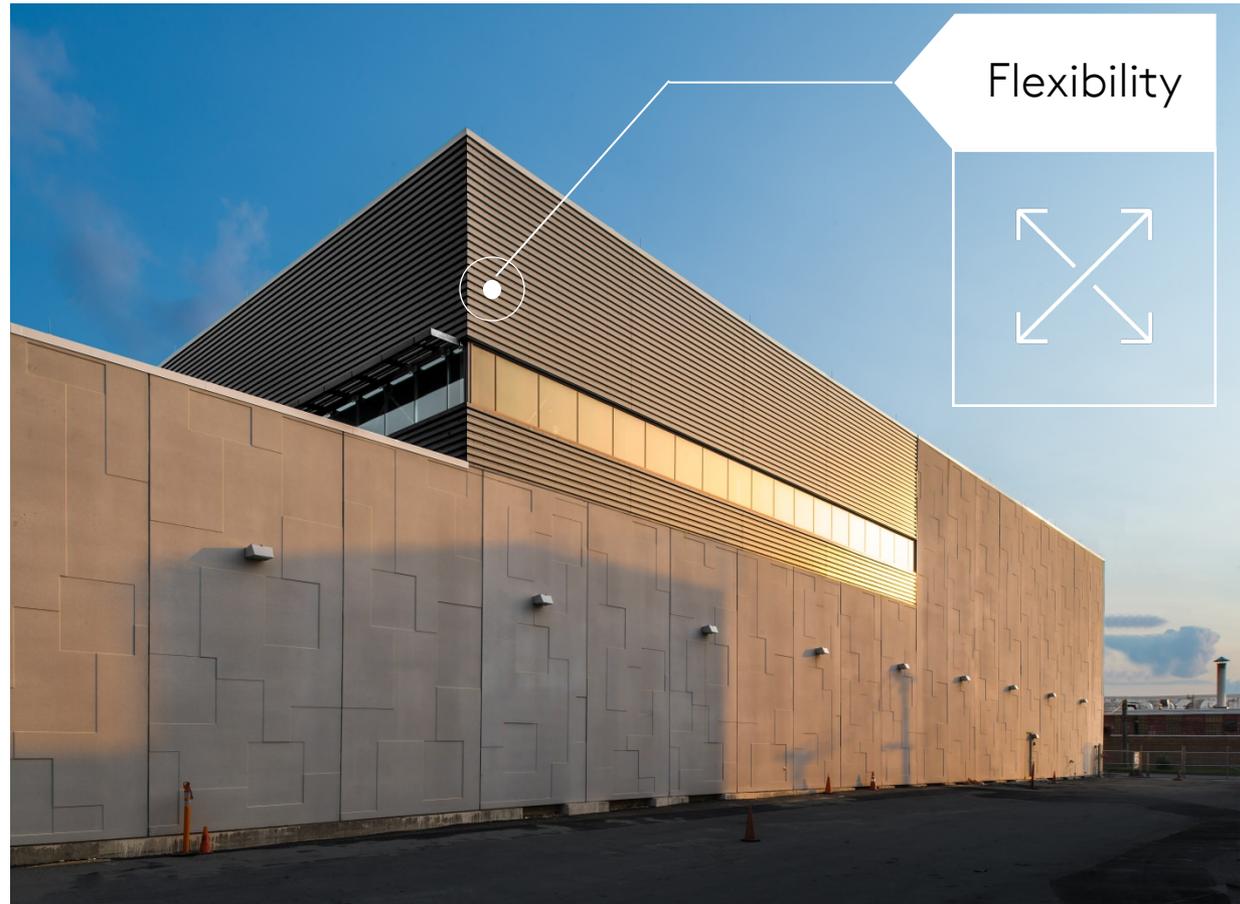
Installation Benefits:

Some of the most advantageous elements of using the Kingspan KarrierPanel system include speed of build, immediate weather-tight enclosure, and the unlimited possibilities for rainscreen cladding systems, installed as a screening outboard of the enclosure panel system. By selecting Kingspan KarrierPanel, installation of the building envelope was not impeded by UV degradation, temperature fluctuations, or inclement weather.

The KarrierPanel system uses the unique KarrierRail. The integrated structural rail safely transmits positive loads from the multiple façades to the structural supports behind the insulated panels. Installation can be achieved quickly and easily, as the rail is installed during normal panel installation.

Owner Benefits:

Kingspan KarrierPanel, suitable for all building types in any climate, combines the thermal benefits of lightweight insulated metal panels with the pleasing aesthetics of multiple façades.



Contact

For more information on
the products used in this
project, please email

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