

KANSAS CITY INTERNATIONAL AIRPORT UNVEILS STATE-OF-THE-ART TERMINAL

WITH NANOLUMENS

 Project Profile

#August 2024

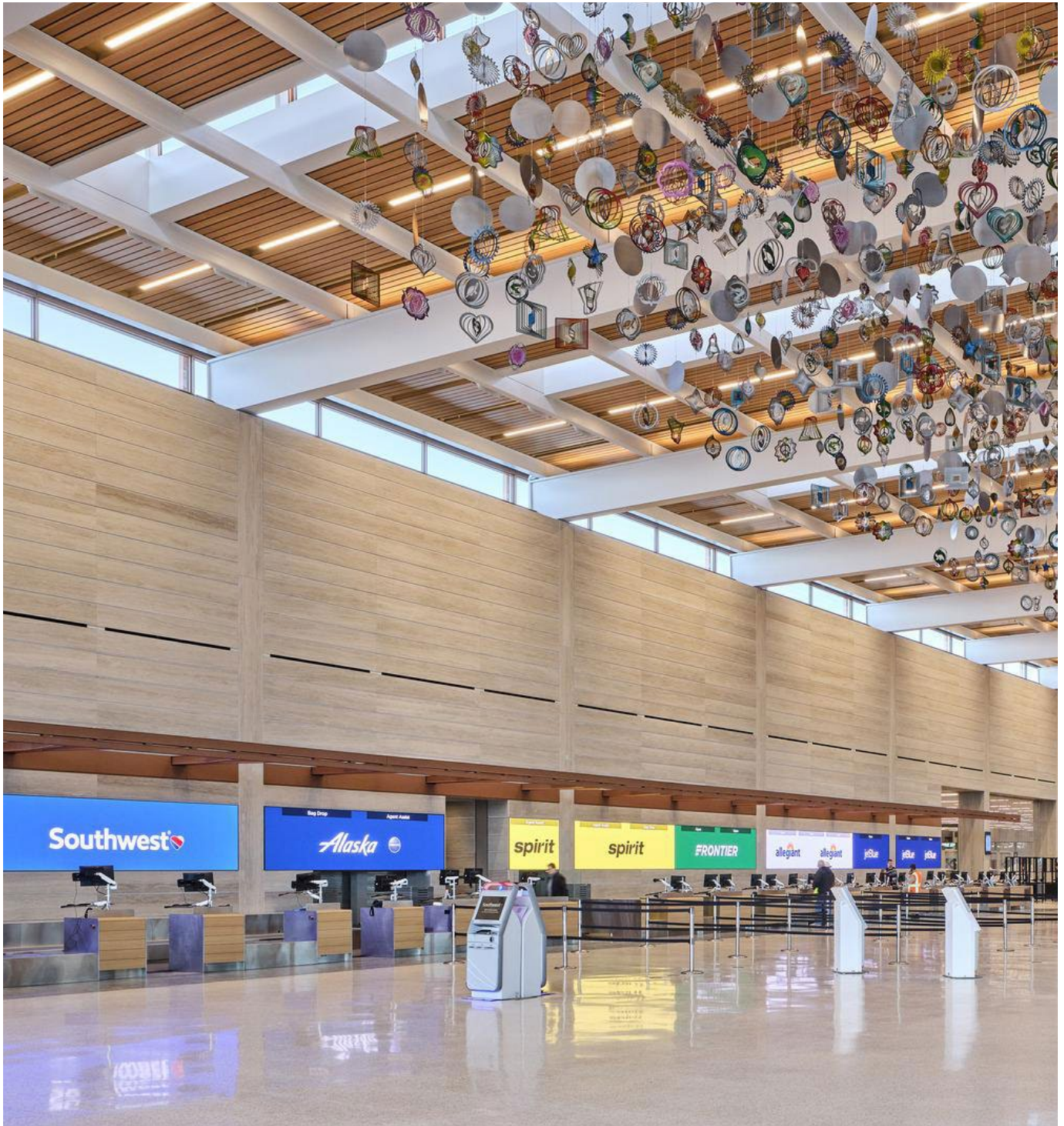


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PROJECT OVERVIEW



INFRASTRUCTURE
INVESTMENT



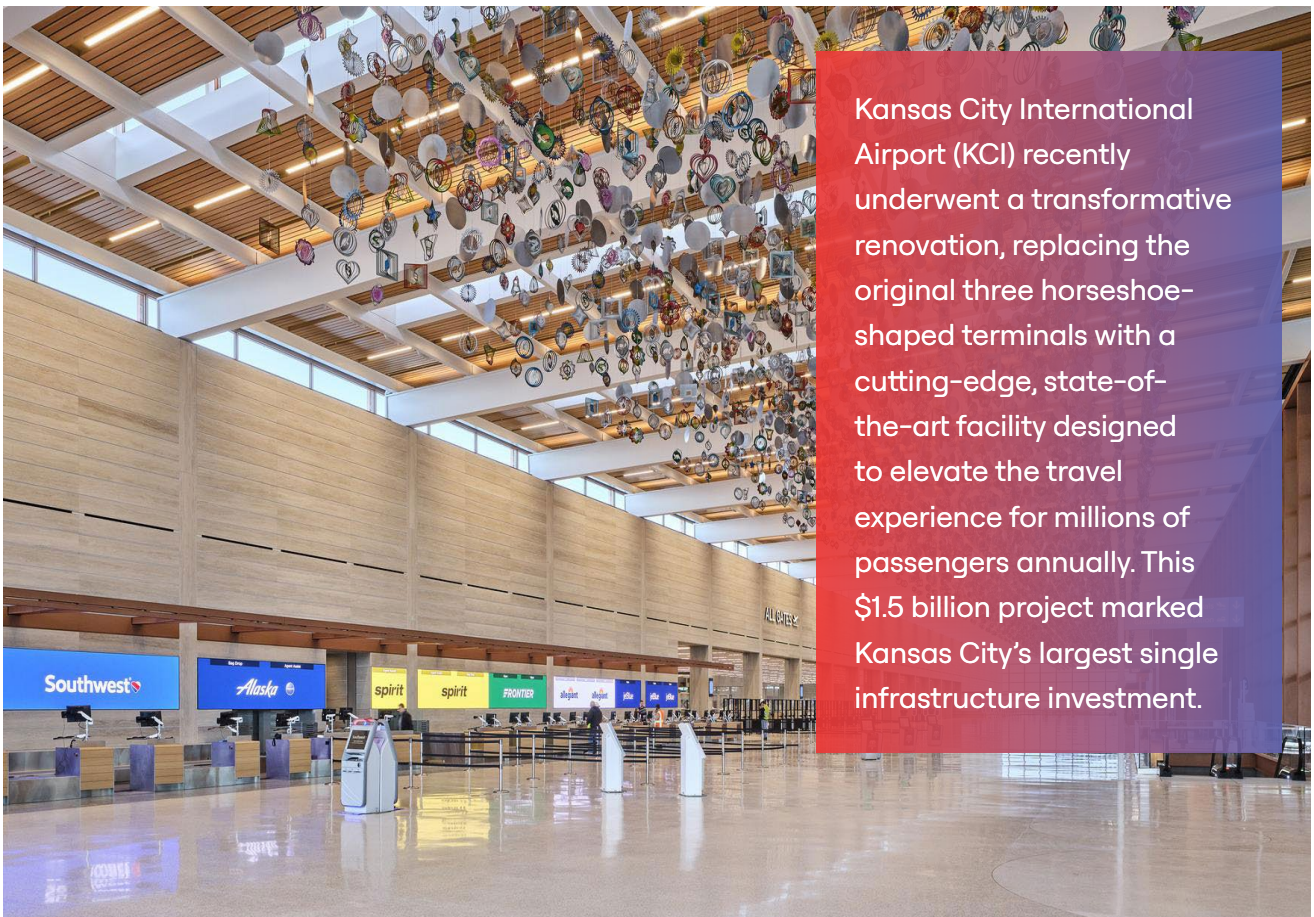
Modern
Facility



Passenger
Experience

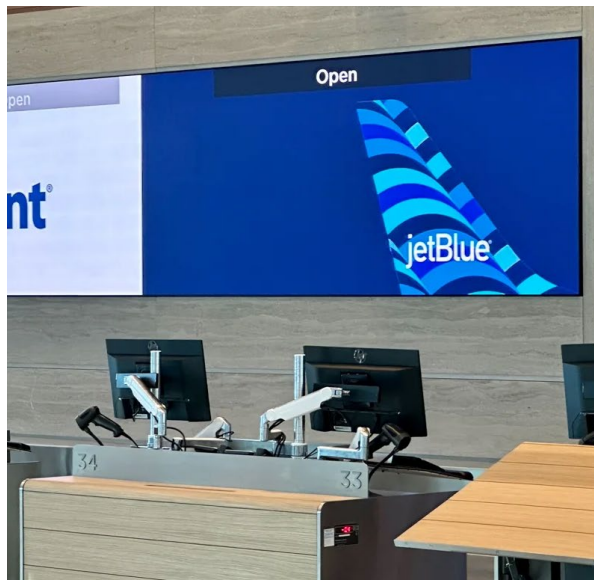
BUILDING: Kansas City International Airport (KCI)

GOAL: The goal of the Kansas City International Airport renovation is to transform the travel experience for millions of passengers annually.



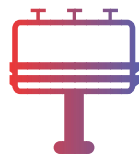
Kansas City International Airport (KCI) recently underwent a transformative renovation, replacing the original three horseshoe-shaped terminals with a cutting-edge, state-of-the-art facility designed to elevate the travel experience for millions of passengers annually. This \$1.5 billion project marked Kansas City's largest single infrastructure investment.

TERMINAL & BRANDING STRATEGY



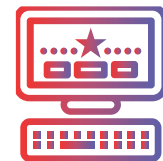
CURBSIDE WELCOME

10 Curbside Welcome Displays



COMMON-USE CHECK-IN LANES

these are not gates but “Common-Use Counters”. The terminal includes common-use ticket counters, designed to support airline check in operations efficiently.



UNIFIED BRANDING STRATEGY

The Kansas City Aviation Department (KCAD) implemented a visually unified and advanced branding strategy.

The new terminal boasts common-use check in ticket counters designed to support the operations of various airlines while offering passengers a seamless travel experience. The Kansas City Aviation Department (KCAD) focused on creating a visually unified,

technologically advanced branding strategy that integrates an intuitive messaging system and streamlined passenger journey from the curbside to check in, through security and beyond, for all airlines operating within the check-in and ticketing concourse.



American Airlines
SECURITY
ALL GATES



COLLABORATIVE EFFORTS & CHALLENGES

A key feature of this transformation is the collaborative effort between Nanolumens, a leader in LED display technology, and Dimensional Innovations (DI), an experienced design, technology and fabrication company based in Kansas City. Together, they integrated a remarkable visual experience at the airport's ticketing counters. Nanolumens and DI worked closely with many consultants and architects on this project, including Henderson Engineering and Skidmore, Owings & Merrill (SOM) being the most prominent.

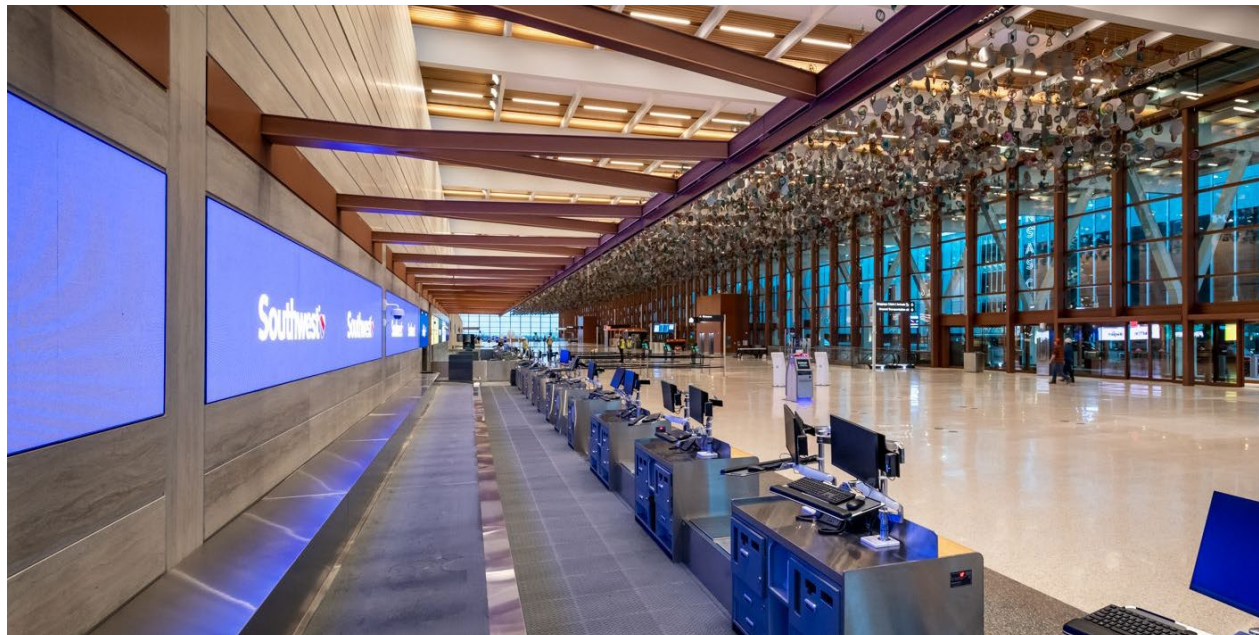
COLLABORATIVE EFFORT

Nanolumens and Dimensional Innovations (DI) collaborated to create a remarkable visual experience at the airport's ticketing counters

CONSULTANT AND ARCHITECT PARTNERSHIPS

Nanolumens and DI worked closely with consultants and architects, including Henderson Engineering and SOM, to bring the project to life.

NIXEL SERIES DIGITAL DRYWALL



One of the most significant challenges addressed in this collaboration was accommodating the fixed structural columns in the terminal. This constraint was a crucial factor for SOM. Nanolumens was capable of meeting the precise dimensions required for the ticketing backwall displays. To overcome this challenge, Nanolumens integrated the Nixel Series, which created six Nixel displays

ranging from 16 to 6 feet wide, all standing 4 feet high. These sections, as “Digital Drywall,” were designed to span the building’s columns with minimal gaps and seamlessly fit into the recessed spaces. This innovative approach provided the smooth and clean environment that the architects envisioned.



**NIXEL SERIES
DIGITAL DRYWALL**

Nanolumens integrated the Nixel Series to create six seamless “Digital Drywall” displays, ranging from 16 to 6 feet wide, fitting perfectly into the recessed spaces.



**STRUCTURAL COLUMN
ACCOMMODATION**

Nanolumens addressed the challenge of accommodating fixed structural columns by designing custom displays to fit precisely within the terminal’s architecture.

VISUAL DISPLAY & REAL-TIME CONTENT MANAGEMENT

This expansive digital canvas allows each airline to prominently showcase its brand, offering dynamic, high-resolution visuals that captivate departing passengers. The display's fine-tuned color accuracy and pixel-perfect resolution ensure that every brand's content is presented with unparalleled clarity and vibrancy, creating a consistent and engaging experience for all travelers.

DI was tasked with developing a real-time content management system enabling

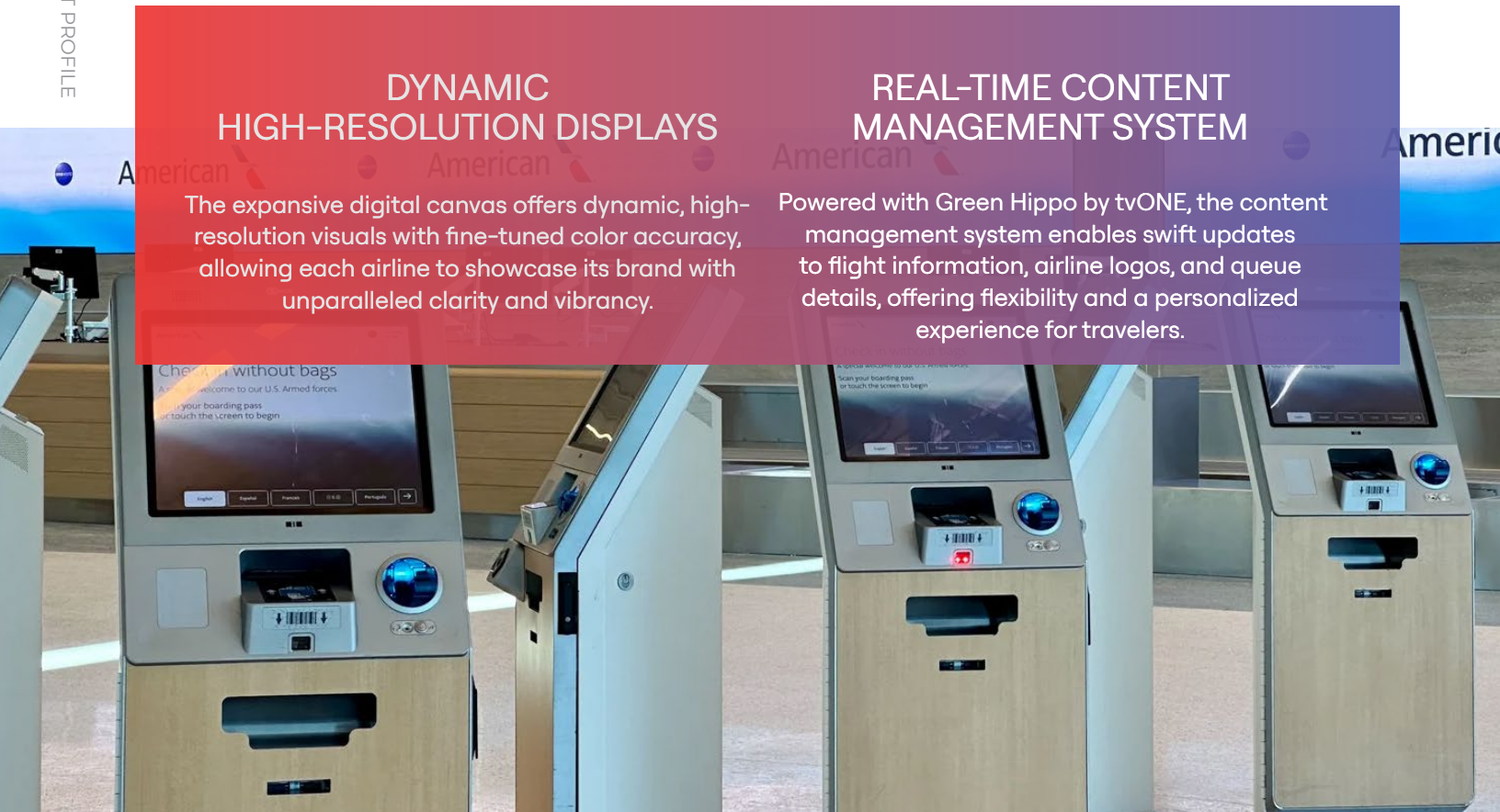
the airport and individual airlines to swiftly modify the displayed information as needed. Powered with Green Hippo by TVONE, this system ensures that each airline's unique content is seamlessly integrated into the overall display, providing a personalized experience behind every ticket counter. Whether it's updating flight information, displaying airline logos or adjusting lane queuing details, the system offers flexibility and ease of use.

DYNAMIC HIGH-RESOLUTION DISPLAYS

The expansive digital canvas offers dynamic, high-resolution visuals with fine-tuned color accuracy, allowing each airline to showcase its brand with unparalleled clarity and vibrancy.

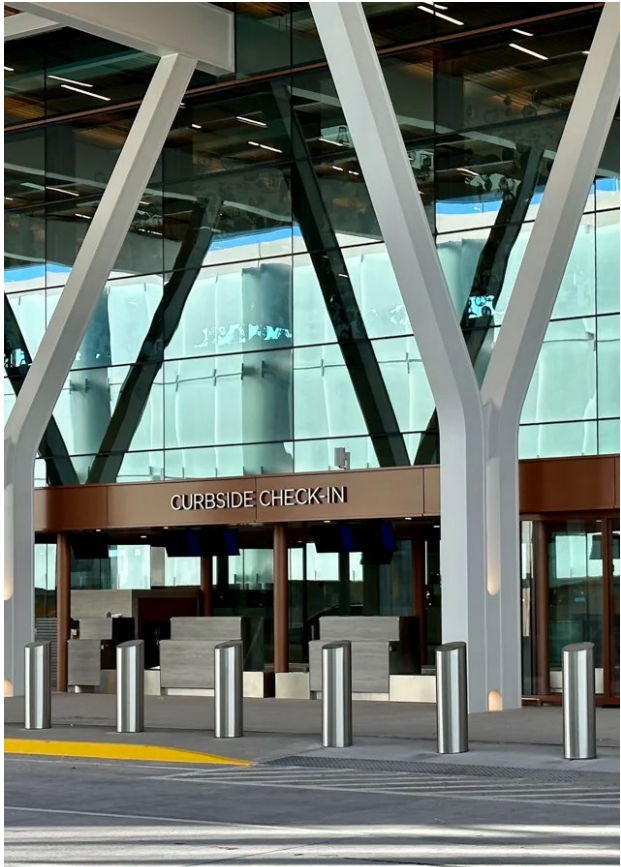
REAL-TIME CONTENT MANAGEMENT SYSTEM

Powered with Green Hippo by tvONE, the content management system enables swift updates to flight information, airline logos, and queue details, offering flexibility and a personalized experience for travelers.





Kansas City International Airport elevates passenger experience with \$1.5 Billion renovation and digital transformation featuring Nanolumens Nixel Series and Performance Series



BACKWALLS, ARRIVALS & CURBSIDE ELEMENTS

The renovation also features various back counter wall elements, with Nanolumens providing additional Nixel Series 2.5mm Pixel Pitch dvLED displays. This installation includes 15 separate videowalls in six different sizes, combining to create a massive digital canvas with over 18 million pixels. These back wall displays empower airlines to boldly present their logos, flight information and other critical updates, further enhancing the passenger experience.

In the Arrivals area, a smaller yet equally impactful Nanolumens Nixel Series 1.5mm dvLED

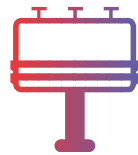
display, measuring 15 feet by 6 feet, adorns the information desk with a rear tube mounting solution, offering clear and concise information to arriving passengers. Nanolumens' degrees of freedom allowed the displays to be tailored precisely to the space, eliminating the need for the space to conform to specific display dimensions. Additionally, ten Nanolumens 5.9mm Performance Series double-sided displays, each measuring 5.8 feet wide by 3.2 feet tall, have been strategically placed in the curbside check-in area.

NANOLUMENS PROVIDED 3 DISPLAYS.
"APPLICATIONS" FOR THIS PROJECT.



CURBSIDE

airport welcome and drop off location details



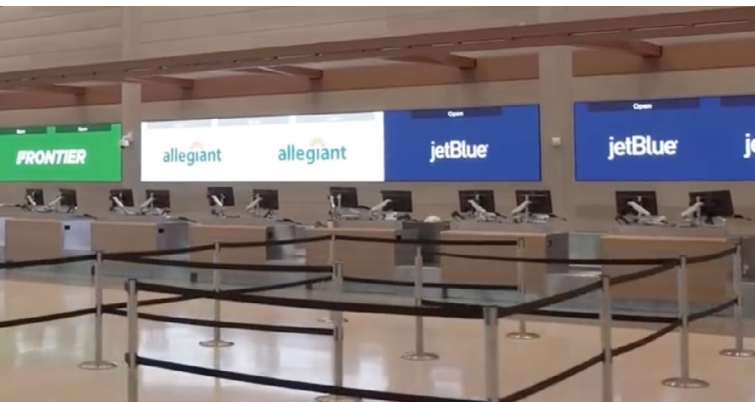
BACKWALLS

for ticketing and self-bag drop check in



INFORMATION

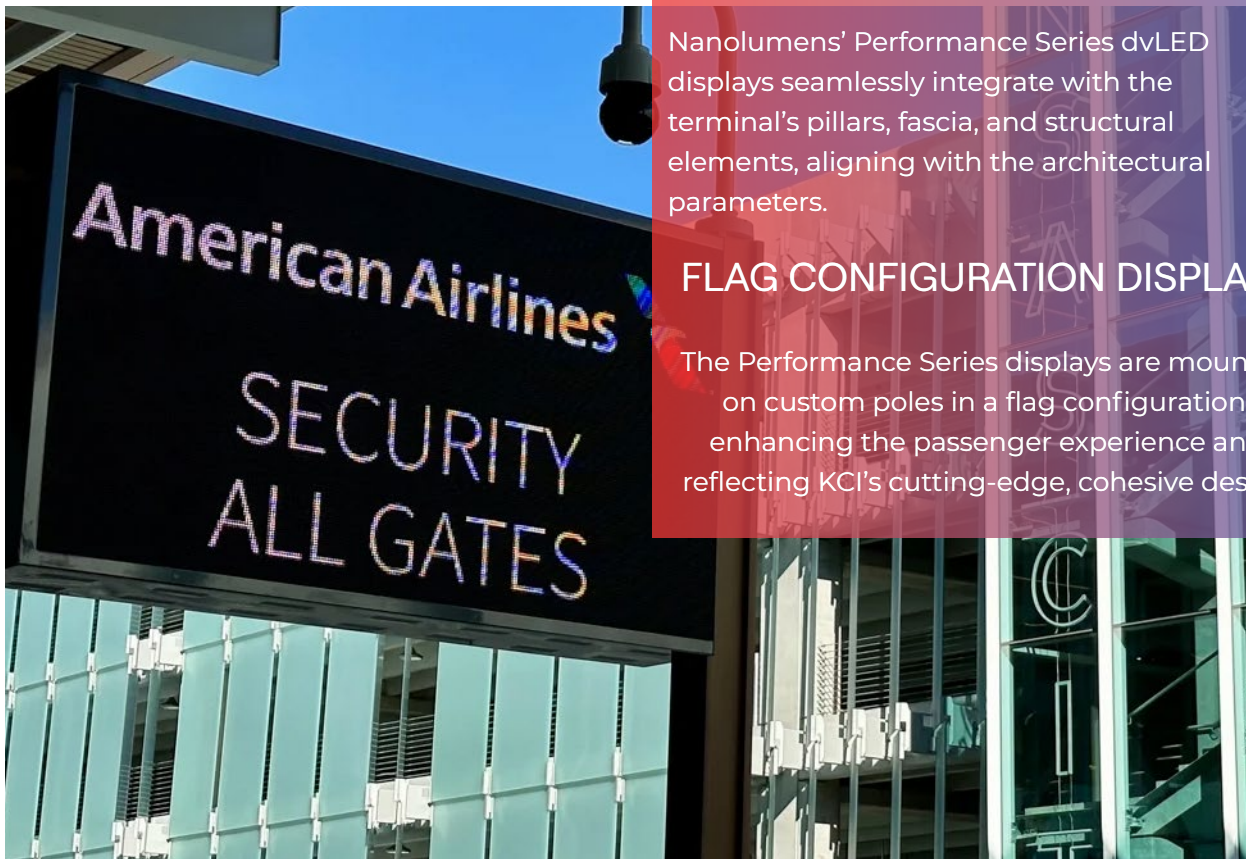
information desk for transportation and other area updates



ARCHITECTURAL INTEGRATION

Nanolumens' Performance Series dvLED displays were also chosen to align with the architectural parameters of the new terminal, seamlessly integrating with pillars, fascia, and other structural elements while providing state-of-the-art technology and longevity. The Performance

Series is mounted on custom poles in a flag configuration, further enhancing the passenger experience from the moment they arrive at the airport. These displays ensure that every aspect of the terminal reflects the cutting-edge, visually cohesive design that KCI envisioned for its new era of air travel.



ARCHITECTURAL INTEGRATION

Nanolumens' Performance Series dvLED displays seamlessly integrate with the terminal's pillars, fascia, and structural elements, aligning with the architectural parameters.

FLAG CONFIGURATION DISPLAYS

The Performance Series displays are mounted on custom poles in a flag configuration, enhancing the passenger experience and reflecting KCI's cutting-edge, cohesive design.

CONCLUSION & ABOUT NANOLUMENS

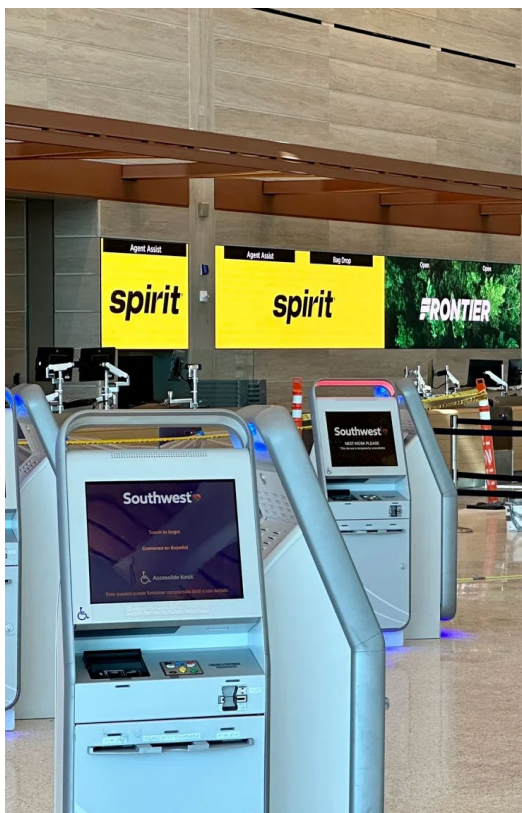
Overall, the renovation of KCI Airport represents a significant enhancement in passenger experience. The airport's new digital signage not only enhances wayfinding and branding but also reflects the rich local history, flavor, and culture of Kansas City, offering travelers a unique and immersive journey from the moment they arrive.



For more information on Nanolumens, please visit nanolumens.com. Keep up with the latest news from Nanolumens on Facebook, Twitter and LinkedIn.

ABOUT NANOLUMENS

Nanolumens is a US-Based LED design and manufacturer headquartered in Atlanta, Georgia. Nanolumens offers world-class screens across multiple market segments adding wonder to physical spaces. We're pioneers of the True Curve™ technology and are committed to being better. With a bold and visionary team of experts we will take your project, in all shapes and sizes, from concept to reality.



WE BRING YOUR CREATIVE VISIONS TO LIFE, LEAVING
A FIRST AND LASTING IMPRESSION.

WE ARE LED!

WWW.NANOLUMENS.COM

