

CASE STUDY

# Circa Resort & Casino Las Vegas



## Industry

Fault Managed  
Power Intelligent Buildings



## Solution

Digital Electricity™ Belden's  
REVConnect® system

## Introduction

Circa Resort and Casino is the first ground-up casino to be built in downtown Las Vegas in 40 years. The visionary owners, brothers Derek and Greg Stevens, were adamant that the all-new building would implement state-of-the-art technologies while paying homage to Las Vegas history. The new landmark building boasts a 3-story, ultra-high-definition display in the largest sports book in the world with a 78-million-pixel screen. It also has the country's largest pool experience for sports fans, with a massive 135-foot-wide screen, while the original Vegas Vickie neon-kicking cowgirl greets you in the lobby.

Spanning 1.25 million square feet, with 777 rooms and suites, the Circa Resort and Casino is a landmark capitalizing on cutting-edge technology, including advanced building automation, digital in-room controls, LED lighting, and electrical power distribution, utilizing Digital Electricity™ from VoltServer to power critical electrical infrastructure.

## Project Overview

### The Facility

Circa Resort & Casino Las Vegas is a 35-floor, 1.2 million-square-foot property that stands as the tallest hotel north of the Strip. It boasts an adults-only atmosphere with an old-school Vegas ambiance, highlighted by the iconic Vegas Vickie neon sign. One of its standout features is the fifth-floor aqua theater, Stadium Swim, which can accommodate over 4,000 people and features a massive high-definition screen.







## Results and Future Expansion

The Circa Resort & Casino Las Vegas opened nearly two months ahead of schedule—in October 2020—during a pandemic. Nichols says this was only possible with a partner like Belden.

“Working with FEA and Belden early in the design process was critical to the success of building in the middle of a pandemic. Having an owner, consultant, and manufacturer that was ready to change the power distribution paradigm in this market vertical has been a game-changer. We’re already seeing substantial interest on the Strip considering this same Digital Electricity model,” Ken Hydzik, director of sales for VoltServer.

In addition to lower utility bills, Nichols estimates construction cost savings of between \$2 million and \$3 million thanks to the combination of using VoltServer’s Digital Electricity and Belden’s Digital Electricity Cables instead of dedicated AC power.

Circa Resort & Casino Las Vegas now stands out on the Strip for many reasons: Not only does it bring new attractions to Fremont Street, but it’s also the most intelligent building downtown, taking advantage of cutting-edge technology like advanced building automation, digital in-room controls, LED lighting and electrical power distribution—all using Digital Electricity and supported by Belden cables and connectivity.

## Conclusion

Circa Resort & Casino Las Vegas exemplifies innovation and forward-thinking in its construction and design. By leveraging Digital Electricity and partnering with Belden for infrastructure solutions, the project overcame challenges and achieved success ahead of schedule. The facility is now a beacon of intelligent design and technological advancement in downtown Las Vegas.

See how Circa Resort & Casino and VoltServer are using Fault Managed Power to deliver electricity in the most efficient way possible, lowering their carbon footprint, megawatts, and operating costs. Watch the full [video](#).

To learn more or schedule a demo, visit [voltserver.com](http://voltserver.com)  
or call **888-622-8658**

