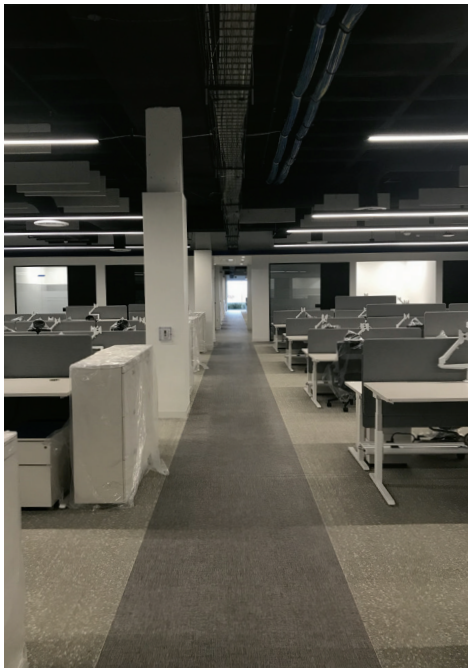

# THE PROJECT

In 2018, a Fortune 500 technology company decided to consolidate and relocate their North Texas-based teams to one location in Texas. They wanted to create a space for their employees that would grow with their growth, and foster innovation in an improved work environment. In 2020, they invested in expanding and developing a new workspace adjacent to their headquarters. A key part of their requirements was to find a smart lighting solution to elevate and enhance their employee experience. They needed a system that was energy efficient, provided cost savings, and secure. As an innovative technology company, the company was looking for a lighting system designed to be future-proof, and quickly investigated Power-over-Ethernet (PoE) as the right solution

# THE PROCESS

When searching for a lighting solution, the company did not consider traditional line voltage, because they already knew they wanted to implement PoE within their space. The company had a good relationship with Walsh PoE, an Igor channel partner, and turned to them for help with the project. Walsh PoE recommended Igor's Nexos platform for the project due to its flexible, trusted, and secure technology.



Nexos' robust software user interface and its simple commissioning allowed Igor to stand out among other PoE and IoT providers. Igor's technology provides the ability to have changes made live to easily track updates in the system and efficiently adjust any issues that may arise. The capabilities of the Nexos IoT smart building platform span beyond making live changes to the ability to integrate numerous building systems within the platform, including lighting and sensors.

# THE PRODUCTS

The technology company's building includes the installation of Igor technology in more than 25,000 square feet of space. The project used power sourcing equipment with 99W of power per port. The 90W+ standard, combined with Igor's Nexos nodes' daisy-chaining capabilities and 90W nodes, allowed the client to maximize the total number of devices per port. This led to a cost savings for the company by lowering expenses for the price of power ports.

The space also contains occupancy and daylight sensors connected via Igor's Nexos platform. With the occupancy sensors, the company can easily monitor how many employees are within a space to optimize energy usage throughout the building. The daylight sensors within the space help the interior lighting to better adjust as natural light changes throughout the day to improve occupant wellness while improving energy efficiency.

The technology headquarters includes Igor's UL924-approved emergency lighting, allowing for all lighting fixtures to operate on PoE and according to code. This highlights the possibilities of PoE technology as building owners no longer need separate systems for traditional and emergency lighting.

# THE OUTCOMES

### NO LIGHTING PANELS AND FEWER CIRCUITS

By connecting lighting via PoE, the company did not use any lighting panels and the project required only five circuits, saving the company space and lowering initial capex expenditure, all while reducing ongoing operational spend.

### MINIMAL LABOR COSTS

With the ease of installing PoE, the company was quickly able to implement the system and save on the labor costs associated with the more complicated traditional line voltage installation.

### DECREASED ENERGY USE

Using more energy efficient 90-watt lighting, the company has decreased the amount of energy their space uses and as a result saves on operational costs.