



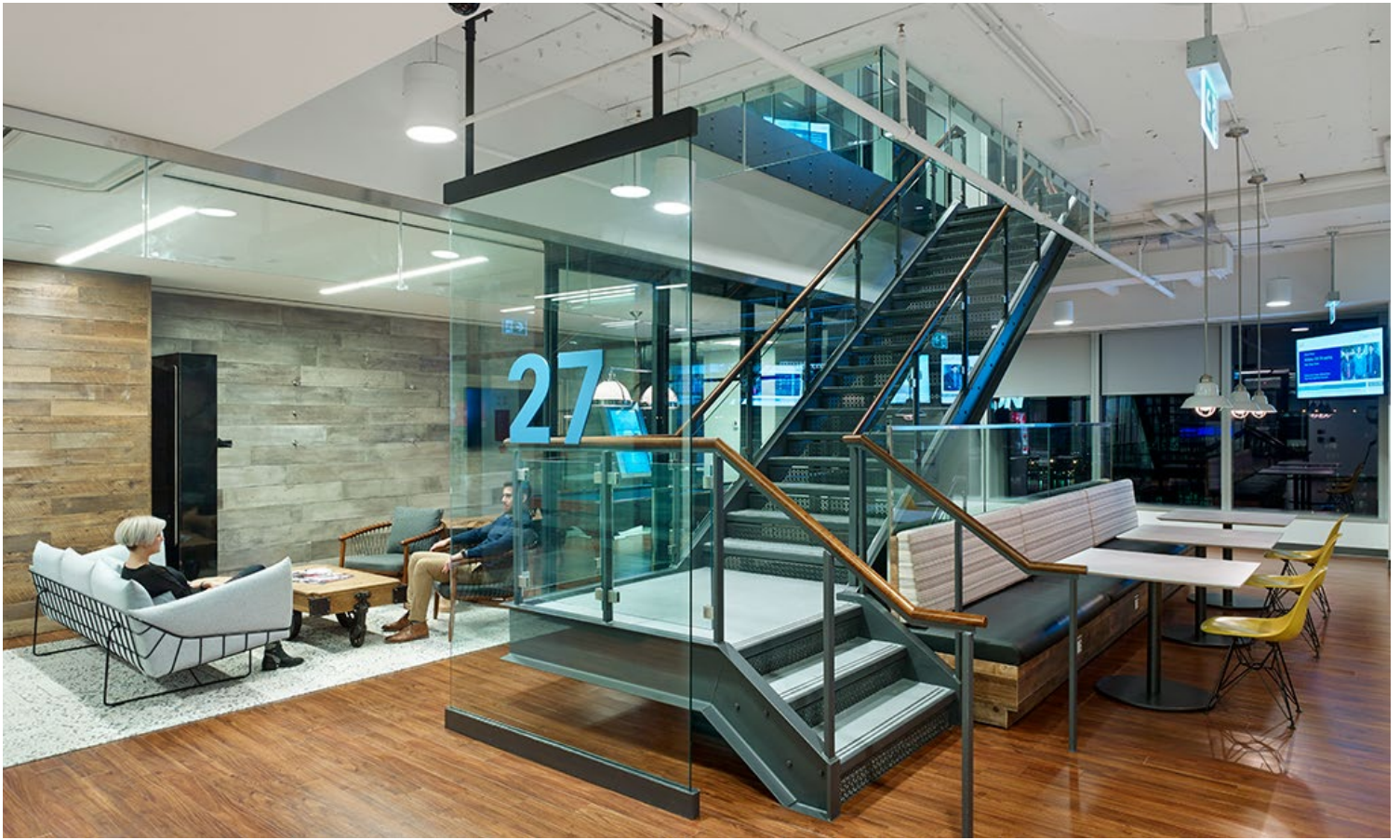
Cisco Canada’s headquarters located in Toronto’s newest LEED Platinum building, WaterPark Place III, takes up four floors of tenant space covering over 83,000 ft². The new Cisco office features a client facing innovation centre that is one-of-its-kind in North America, with video conferencing rooms, cafés, collaboration space, a critical computer room as well as other multi-purpose rooms.

The HIDI Group provided Mechanical, Electrical, Plumbing, Lighting, and LEED Fundamental Commissioning to achieve LEED Gold status while bringing the client’s vision of “Internet of Things” (IoT) to reality. The project boasts the first large scale commercial implementation of Power over Ethernet (PoE) luminaries in North America.

Effectively implementing this new technology, we reduced the Lighting Power Density to 52.6% below ASHRAE 90.1 2007 allowances. Lighting is tailored to users’ needs via occupancy-based controls, daylight sensing, and pre-set scenes with dimming.

The Project has been the recipient of multiple awards covering areas from innovation, energy efficiency to lighting.

8 DISCIPLINES
MECHANICAL
ELECTRICAL
PLUMBING
LIGHTING DESIGN
COMMUNICATIONS & AV
SECURITY & RISK
COMMISSIONING
ENERGY SERVICES



Challenges

One of the challenges faced during this project came in convincing the landlord of Oxford Properties to disregard its brand new lighting control systems and luminaries and allow for a new product which at the time had not been available in the market.

Being the first large scale PoE lighting installation in Canada comes with its own short comings due to the lack of prior design guidelines and product limitations such as the lack of PoE emergency lighting solutions for a high rise application. Other issues included building requirements to match colour temperature of the base building fluorescent luminaries with the new PoE LED type required our team to be on site to help with installation of several trial runs.



LOCATION: Toronto, Canada

CLIENT: Cisco

OWNER: Cisco Systems Inc.

ARCHITECT: HOK

SIZE: 83,000 ft² / 7,700 m²

CONSTRUCTION VALUE: \$20 Million CAD

PROCUREMENT TYPE: Design Bid Build

COMPLETION YEAR: 2015

LEED: Gold

AWARDS: CoreNET REmmy Award – Innovative Office Space greater than 20k ft² (2016)

Illumination Engineering Society – Lighting Controls Innovation Toronto Section Award (2016)

Illumination Engineering Society – Lighting Controls Innovation Award of Merit (2016)

Illumination Engineering Society – Guth Interior Lighting Toronto Section Award (2016)

Illumination Engineering Society – Guth Interior Lighting Award of Merit (2016)

Illumination Engineering Society – Energy Environmental Toronto Section Award (2016)

Illumination Engineering Society – Energy Environmental Award of Merit (2016)

MARKET SECTOR: Commercial Interiors