

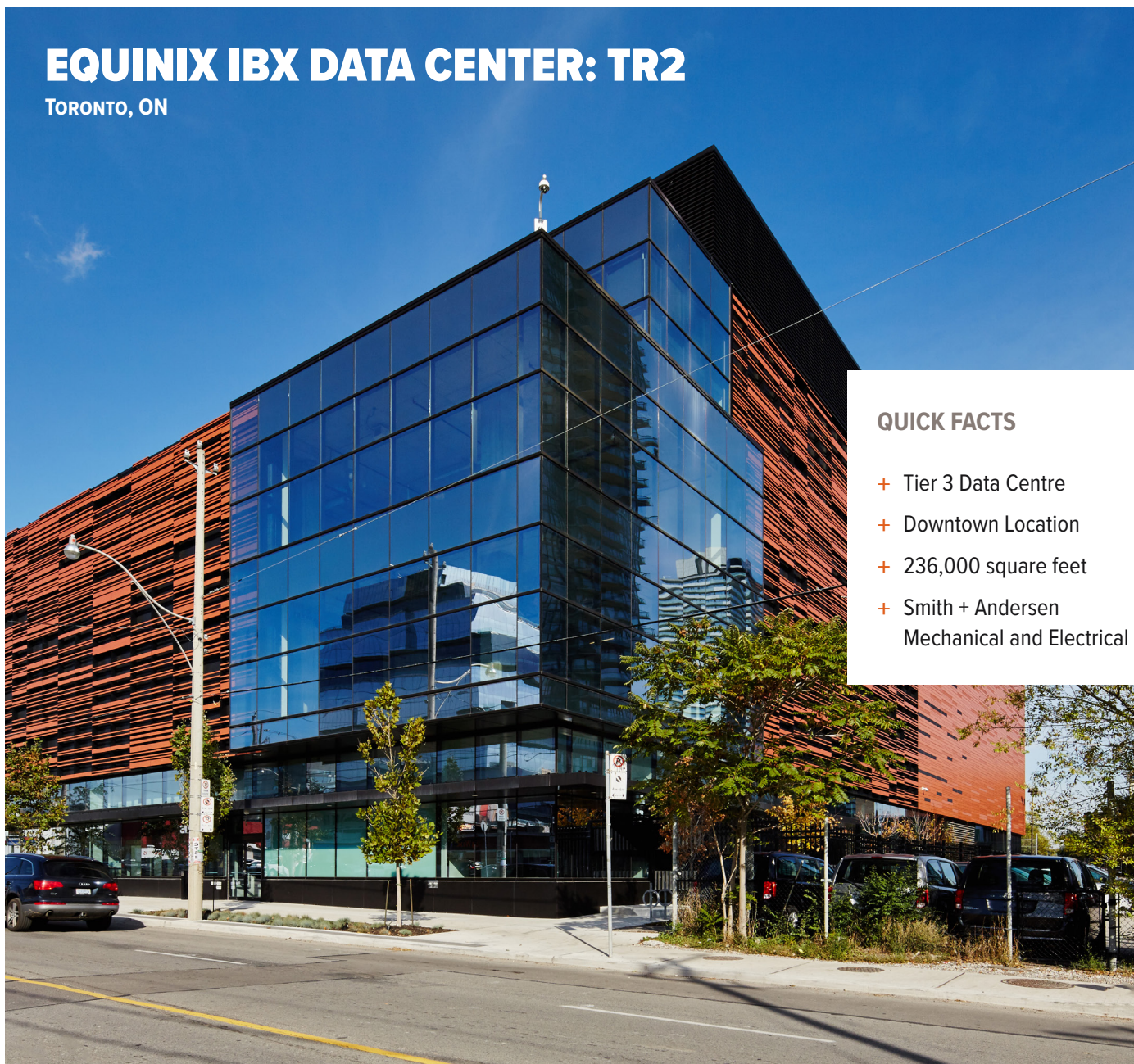


EQUINIX IBX DATA CENTER: TR2

TORONTO, ON

QUICK FACTS

- + Tier 3 Data Centre
- + Downtown Location
- + 236,000 square feet
- + Smith + Andersen
Mechanical and Electrical





EQUINIX IBX DATA CENTER: TR2

ABOUT THIS PROJECT

- + Five-storey, new data centre, housing approximately 140,000 square feet of “white space” for servers.
- + Fifth floor is dedicated to the building systems and generator space.
- + Screen-enclosed rooftop penthouse provides an additional area for mechanical units.
- + Designed this co-location data centre facility to provide over 3000 tons of mechanical cooling from magnetic bearing oil-free chillers along with programmable logic controllers (PLC) and a maximized free cooling cycle.
- + Provided all equipment with an N+1 redundancy and looped main systems to provide two paths for all critical services.
- + Designed the building to a maximum capacity of 16MW, connected to the Toronto Hydro grid.
- + Emergency power generator system (EPGS) supports all critical loads.
- + EPGS system is made up of seven 2.5MW diesel generators.
- + Electrical distribution to the critical loads is a 2N configuration.

LOCATION
Toronto, ON

**SMITH + ANDERSEN
SERVICES PROVIDED**
Mechanical, Electrical

SIZE
236,000 sq. ft. (21,925 sq. m.)

BUDGET
Confidential

COMPLETION YEAR
2015

HOT BUTTONS

LARGE DATA CENTRE

TIER 3

NEW BUILD

RENOVATIONS

MECHANICAL DESIGN

ELECTRICAL DESIGN

