



HUMBER RIVER HOSPITAL

TORONTO, ON



QUICK FACTS

- + Healthcare Facility
- + Data Centre
- + DBFM Delivery
- + LEED® Gold
- + 1.83 Million Square Feet
- + \$1.2-Billion Budget
- + Work with Infrastructure Ontario
- + Smith + Andersen Mechanical, Electrical, Communications, and Security





HUMBER RIVER HOSPITAL

ABOUT THIS PROJECT

- + Construction of one of Ontario's largest regional acute hospitals, with over 650 beds to serve approximately 850,000 residents in the northwest Greater Toronto Area.
- + Ground floor includes the building operations command centre, food court, retail shops, and outdoor amphitheatre, with emergency, medical / surgical facilities, mental health, bariatric, diagnostic imaging, dialysis, and cancer care services located on levels one to 14.
- + Project scope included electrical contract administration.
- + Energy-efficient design features an integrated heating and cooling plan with highly-efficient ventilation equipment and distribution, and air side enthalpy recovery.
- + Building envelope design incorporates automatically-adjusting electrochromic glass to reduce solar gain during peak cooling times.
- + First fully-digital hospital in North America offers robotic blood testing (with results ready in minutes), and the ability for patients to order food, use the phone, and control their lighting directly from their bedside terminal.
- + Lighting design achieves a lighting power density 46 per cent lower than ASHRAE 90.1-2007 requirements.
- + Heating, cooling, ventilation, and plumbing systems designed to help meet the hospital's target of exceeding ASHRAE 90.1-2007 by 40.8 per cent.

LOCATION
Toronto, ON

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

KEY TEAM MEMBERS
Infrastructure Ontario
Humber River Hospital
Plenary Health
HDR Architects
PCL Constructors Canada
Johnson Controls

SIZE
1,830,000 sq. ft.
(148,600 sq. m.)

BUDGET
\$1.2 Billion

COMPLETION YEAR
2016

SUSTAINABILITY
LEED® Gold

HOT BUTTONS

HEALTHCARE

DATA CENTRES

BAS DESIGN

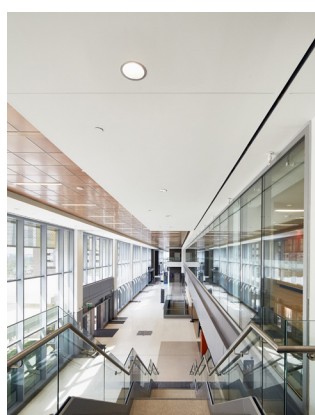
LABORATORIES

DBFM / P3 / AFP

IIS

LEED

SECURITY



AWARDS

ASHRAE Technology Award,
*First Place Category III –
Health Care Facilities* (2017)

Engineering News-Record, *Global
Best Project Award* (2016)

Canadian Council for Public-
Private Partnerships, *National
Award for Innovation and
Excellence – Gold* (2015)

Toronto Construction Association,
*Best of the Best Award –
Large Project* (2015)