

DIALOG

UHN TORONTO WESTERN HOSPITAL NEW
SURGICAL AND PATIENT TOWER

Redefining patient care and wellbeing

Healthcare & Wellness



LOCATION

Toronto, ON

CLIENT

University Health Network

COLLABORATORS

HH Angus & Associates

RWDI

Entro

ONE EQ

LRI

Valcoustics

RDH Building Sciences

Soberman Engineering

Kaizen Food Service Planning & Design

Spyder

Level Playing Field

BA Consulting Group

Artificiel

Urban Forest Innovations

WSP

DIALOG SERVICES

Architecture

Electrical Engineering

Interior Design

Landscape Architecture

Mechanical Engineering

Structural Engineering

Planning & Urban Design

Sustainability + Building Performance

Consulting

DIALOG is leading the design of the University Health Network's New Surgical and Patient Tower at Toronto Western Hospital (TWH), a visionary project poised to solidify TWH's reputation as Canada's leading neuroscience centre of excellence and leader in performing complex surgeries. Situated in downtown Toronto, this landmark tower is set to revolutionize patient care, offering state-of-the-art surgical capabilities across a wide range of specialties, including neurosurgery and orthopedics.

Spanning 380,000 square feet over 15 storeys, the tower will introduce 82 new beds – 16 in critical care and 66 for acute medical and surgical needs – significantly enhancing the hospital's capacity to deliver exceptional care. Central to this expansion are 20 new operating rooms, including three Hybrid ORs with cutting-edge imaging technology, expanding the hospital's capacity to perform highly complex procedures.

UHN's commitment to patient care aligns with environmental responsibility. The New Surgical and Patient Tower strives to minimize its carbon footprint. By utilizing UHN's new wastewater energy transfer system for heating, cooling, and domestic hot water, the project has been able to eliminate all on-site carbon emissions (scope 1).

The design targets a 32% reduction in energy use below the Ontario Building Code and includes design measures like: high-performing building envelope, LED lighting, low-flow plumbing fixtures, and efficient air-side energy recovery ventilation units to precondition incoming fresh air.

Beyond further facilitating clinical excellence, the tower is designed to provide a holistic healing environment. Essential support facilities, such as a pre-operative care unit, post-anesthetic care unit, inpatient rehab gym, medical device reprocessing department, and pharmacy, ensure a seamless continuum of care. The interior design exudes tranquility, with soft, organic forms and natural materials that enhance biophilia, creating a calming atmosphere for patients, visitors, and staff. Natural light fills patient and staff spaces, reinforcing a strong natural connection. Spectacular views of the cityscape enhance the overall wellbeing of patients and staff.

The design also embraces the outdoors with a Healing Garden adjacent to the Community Room and an Outdoor Terrace on Level 11, offering serene spaces for reflection in the heart of the city. This leading-edge facility notably combines advanced technology within expansive clinical environments, embodying UHN's unwavering commitment to comprehensive care and well-being.