

**Location:** 25 Messenger Drive, St. John's, NL

**Project Start Date:** June 2010

**Project Completion Date:** Fall 2013

## Metrobus

### A facility like no other

The new Metrobus Transit facility has been designed to replace the outdated 1958 facility located on Freshwater Road. The new facility is located on Messenger Drive in the Kenmount Park area of St. John's with access to the major arteries of the city. It is centrally located relative to existing routes and surrounding municipalities allowing for regional service expansion in the future.

The facility is approximately 11,000 square metres and comprised of new offices, operations areas, bus storage for 70 buses, a state-of-the-art repair garage, bus washing and maintenance areas and exterior parking for staff and visitors. The design of the facility has provided opportunities for future expansion.

### LEEDing the way

Metrobus Transit's new home has been designed and built to attain LEED® certification. The Leadership in Energy and Environmental Design (LEED®) designation is awarded by the Canada Green Building Council (CaGBC) to leading-edge buildings that incorporate environmentally-sustainable design, construction and operational features to reduce the environmental impact.



#### Facts about the new transit facility

- Total project cost: \$34.2 million
- Federal Contribution: \$26 million
- Municipal Contribution: \$8.2 million
- Construction Period: 39 months
- Contractor: Marco Services Ltd.
- Consulting Engineers: Stantec
- Size of Facility: 11,000 square metres
- Bus Storage: 70 buses
- Designed to attain LEED® certification



**Rain water is collected and used to wash the fleet**

### Reducing our environmental impact

The new transit facility on Messenger Drive features environmental initiatives that will reduce Metrobus Transit's carbon footprint while at the same time provide a more cost-efficient building to operate. Rain water is collected, stored and used to wash the fleet at the end of each service day. The new building's geothermal heating system, heat recovery systems in the bus storage and repair garage areas combined with energy efficient lighting will make the building one of the most energy-efficient in St. John's. The facility was built with minimum site disturbance to protect the open

space behind the building and once completed, the surrounding property will be a low maintenance landscaped environment. The design team incorporated the newest technologies and the latest architectural design in the transit industry allowing the facility to be the foundation for the necessary infrastructure to establish public transit as an important part of the solution to urban mobility and the achievement of sustainable transportation throughout the region.

## Awarding-winning design, delivered on budget

Stantec, the prime consultant on the new Metrobus Transit facility, was recently awarded the 2013 BOMA Pinnacle Award for Innovation in recognition of their creative application of new technologies on the Messenger Drive facility. The design team consulted extensively with Metrobus representatives and developed an overall design that focuses heavily on energy efficiency and recovery, a complete recycling of all energy in the building.



**Bus storage for 70 buses and 7 maintenance service ramps**

Designed to attain LEED® certification, this building incorporates sustainable design features and energy conscious technologies including:

- Earth Coupled Energy
- Fanwall Technology
- Heat Recovery
- Rainwater Harvesting
- Selection of local materials where possible
- Demand Controlled Ventilation System
- Gas Detection System
- Interior and Exterior Lighting Controls



**Over 33 kilometres of hot water piping efficiently heat the bus storage and maintenance areas**

For more information, or to inquire about building tours for groups or associations, please email [buildingtours@metrobus.com](mailto:buildingtours@metrobus.com).