

# Billy Bishop Toronto City Airport Pedestrian Tunnel Partner Profiles

The pedestrian tunnel to Billy Bishop Toronto City Airport was built using an innovative public-private partnership (P3) model and was structured as a Design-Build-Finance-Maintain project with private-sector partners Forum Equity Partners as lead developer, PCL Constructors as design builder, Johnson Controls as facility manager, and Arup as the lead designer (in association with ZAS.) No taxpayer dollars were used for the construction of the tunnel.



Forum Equity Partners is a leading Canadian infrastructure investment and development firm, specializing in public sector development opportunities and public-private partnerships (P3s).

Forum has established itself as a leader in infrastructure development and investment, with one of the most successful track records in the industry and committed financing in excess of \$3 Billion for P3 projects and other related developments.

Recent Forum P3 projects include the South West Detention Centre in Windsor, Ontario; the Pre-Trial Client Services Centre in Surrey, BC; and the CAMH Mixed-Use Development in downtown Toronto. In 2011, Forum received the *Gold Award for Project Financing* from the Canadian Council for Public Private Partnerships and its projects have received other industry awards.



PCL is a group of independent construction companies that carries out work across Canada, the United States, the Caribbean, and in Australia. These diverse operations in the civil infrastructure, heavy industrial, and buildings markets are supported by a strategic presence in 31 major centres. Together, these companies have an annual construction volume of more than \$7.5 billion, making PCL the largest contracting organization in Canada and one of the largest in North America.

Backed by PCL's 100 year legacy, and with more than four decades of experience in Southwestern Ontario's dynamic construction market, the Toronto office is PCL's largest district with more than 600 of the construction industry's most-talented professionals and an annual construction volume of more than \$1.4 billion.

PCL is currently ranked #59 on the FORTUNE 100 Best Companies to Work For® list, has been a Platinum Club member of the Canada's 50 Best Managed Companies list since 2004 and has been on the list every year since its inception in 2000. Watch us build at [pcl.com](http://pcl.com).

# ARUP

Founded in 1946, Arup is the creative force at the heart of many of the world's most prominent projects in the built-environment. From 92 offices in 40 countries, Arup's 12,000 designers, planners, engineers, consultants and technical specialists deliver innovative projects across the world.

Arup has had an established presence in Canada for 15 years, with more than 100 people working in offices in Toronto and Montreal. We have worked on planning, transportation, and major infrastructure projects across Canada and beyond.

The firm is also currently involved with the design and delivery of several major, complex infrastructure projects reaching critical milestones this year, including design for two stadia and the velodrome for the 2015 Pan Am / Parapan Am Games in Toronto; the Bergeron Centre for Engineering Excellence at York University; and the New Champlain Bridge, a PPP bridge replacement project over the St. Lawrence River in Montreal.



ZAS Architects + Interiors is a full-service international firm that has been providing award-winning architecture, design and planning services for over 30 years. Strategically integrating architecture and design, ZAS works with a diverse group of clients ranging from Fortune 500 companies, post-secondary institutions, residential high-rise developers, transit authorities and major banks. With offices in Toronto, Vancouver and Dubai, ZAS presents a worldly vision and thorough understanding of each client and are recognized as respected leaders in the built environment.

Over the past several years, ZAS' highlight projects include the University of Waterloo Digital Media Campus in Stratford; Bergeron School of Engineering Excellence at York University, Toronto; Hershey Centre Sports Complex, Mississauga; Air Canada International Systems Operations Centre, Greater Toronto Area; and the Billy Bishop Airport Terminal Expansion & Pedestrian Tunnel, Toronto; Block 31 Schools & Community Centre, Toronto.

Visit the firm online at [zasa.com](http://zasa.com).



Johnson Controls is a Fortune 100 firm and the global leader in making buildings operate efficiently by integrating building technology with management services to ensure sustainable performance in energy and operational results.

Leveraging more than 125 years' experience in the building efficiency business and decades of innovation in asset management, Johnson Controls understands the technologies, training and expertise needed to maximize building efficiency at every stage of the life cycle. Johnson Controls will provide operations and maintenance services, energy and life cycle management for the pedestrian tunnel at Billy Bishop Toronto City Airport.

The firm provides operates buildings in more than 125 countries around the world and manages more than 20 billion square feet. In Ontario, Johnson Controls is the Facility Management Service provider for many AFP projects with seven located in Ontario including the Durham Region Courthouse and The Bridgepoint Hospital.