

DESIGN TEAM and ORGANIZATIONAL CHART

studio g+G inc., architect

Haddad, Morgan and Associates

Stantec

ORGANIZATIONAL CHART



Studio g+G inc., architect was established in 2003, in Canada, and began focusing largely on international projects in Europe and the United States. This continually growing, innovative architecture and urban design studio now works globally as one office from two locations: “studio g+G ” in Windsor, Ontario, Canada to service the market in North America; and, “Alexander Gagkayev and Partners” in Moscow, Russia, to service the growing market in Eastern Europe. The firm is recognized internationally as an emerging practice founded by two award winning designers with vastly broad and diverse experiences, practicing as licensed architects in four different countries.

Their experience has included structures for the arts (including museum, gallery, and exhibition designs), religious, campus and educational facilities, and residential work. Other projects include retail design, office design, master planning, historic restoration, adaptive reuse and industrial design.

Methodology

We are a design studio and this ultimately affects the way we approach the design process and management of each project. We work collaboratively; therefore, every person on the project team has a voice. Each project is guided by one or both of the partners to ensure that we are always developing toward our clients’ program needs and to ensure that our clients’ ideas are always heard.

From the outset of the establishment of studio g+G, we have found new ways of integrating sustainable approaches to both site and building, and we continue to do so in all of our projects utilizing double exterior skins, integrated advanced mechanical systems and green roofs and screens. In addition we always begin a project by using concepts from the LEED rating system and the BOMA BEST certification levels as a point of departure whether or not a LEED certificate is a desired goal for our client.

Each and every design initiative, involving a building or not, presents the opportunity to explore new ways to integrate an organizing idea with the functional and programmatic needs of the project. These needs of the project always include the place or site, which, together, become the foundation for the starting point for the architectural idea or “concept.” Using this approach, studio g+G does not impose any style or building form to a site or locality. Rather, this evolving discourse between program and site allows a design process to occur that ultimately addresses time, space, light and materials. It is this concept-driven approach to design that we strive to attain with each project.



HADDAD, MORGAN AND ASSOCIATES LTD.
Consulting Engineers

Since its founding in 1986, Haddad, Morgan and Associates Ltd. has been involved in numerous engineering projects. The requirement of these projects has covered every phase from the original evaluation of design to construction review.

The firm maintains a staff of Professional Engineers and support staff (designers, architectural technologists, autocad technicians and administration). Over the past twenty years the company handled over 1100 projects.

Yunis Haddad and Dr. Morkos Morgan are the Principals of the company. Both Principals have each, over 30 years of experience in providing engineering services and managing major projects and undertakings. In light of their experience, in working for various clients, (Architects, Developers, Industry, Municipalities and Contractors) the firm is able to bring to projects a broad background of experience, coupled with a thorough knowledge of cost for both labour and material, resulting in the provision of value engineering.



Stantec, founded in 1954, provides professional consulting services in planning, engineering, architecture, interior design, landscape architecture, surveying, environmental sciences, project management, and project economics for infrastructure and facilities projects. Continually striving to balance economic, environmental, and social responsibilities, we are recognized as a world-class leader and innovator in the delivery of sustainable solutions. We support public and private sector clients in a diverse range of markets, at every stage, from initial concept and financial feasibility to project completion and beyond.

Our services are offered through more than 10,000 employees operating out of over 130 offices in North America. Stantec trades on the TSX and on the NYSE under the symbol STN.

Electrical Engineering

Stantec's primary objective in designing electrical systems is to provide each facility with a reliable electrical systems backbone, suitable for both the planned use of the facility as well as providing for the client's established future needs.

We design electrical and electronic systems for buildings ranging from basic warehouses to technologically sophisticated facilities and we continually review the latest in technology, building design practices, codes, and standards required for today's sensitive electronic equipment.

Mechanical Engineering

Mechanical systems play an important role in today's modern facilities. Our design professionals bring their experience and knowledge of commercial, institutional, and industrial buildings to each assignment as they establish appropriate technologies and cost-effective solutions for the project at hand. Since we design mechanical systems for a broad spectrum of buildings and clients utilizing a wide range of project delivery methods, we are continually reviewing the latest in infrastructure technology, design approaches, and construction practices.

ASSUMPTION
HERITAGE
TRUST
FOUNDATION

Jason Grossi
PM Architecture

Sebastian Martincic
PM Haddad Morgan

Stephen Tsui
PM Stantec

Chris Borgal
heritage consultant
GBCA Ltd.



Jason Grossi, OAA, AIA
principal designer



Stephen Tsui, P.Eng
principal senior manager



Sebastian Martincic
civil engineering



Alexander Gagkayev, Intl AIA
principal designer



Wanda Juricic, P.Eng
electrical engineering



Yunis Haddad, P.Eng
civil engineering



Dr. Veronika Mogyorody
architectural design/planning
Assistant Provost
Academic Architectural Advisor
University of Windsor



Samer Agha, P.Eng
mechanical engineering



Dr. Morkos Morgan, P.Eng
structural engineering



Bill Rawlings, M.Arch, IDEC
architectural design



James Small, P.Eng
cost estimation, scheduling



William Tape, P.Eng
structural engineering



Chris Borgal, OAA, MRAIC,
CAPHC
heritage consultant
GBCA, Ltd.

RESUMES

Alexander Gagkayev, Int. AIA

Jason Grossi, OAA, AIA

Veronika Mogyorody

Helena Ventrella, ARIDO, ASID, NCIDQ

James Small, P.Eng

Morkos Morgan, P.Eng

Will Tape, P.Eng

Yunis Haddad, P.Eng

Sebastian Martincic

Stephen Tsui, P.Eng

Nick Liburdi, P.Eng

Wanda Juricic, P.Eng

Samer Agha, P.Eng

Alexander Gagkayev
Intl. AIA, Principal Designer

EDUCATION

Master of Architectural Theory and History
Moscow Institute of Theory and History

Bachelor of Civil Engineering
Odessa State University

REGISTRATIONS

International Member of the American
Institute of Architects

Registered Architect in Isreal

AWARDS

Beslan International Design Competition
2005 with sculptor Lazar Gadiev

USSR State Prize in Architecture, 1982
Olympic Velodrome

EXHIBITIONS

Exhibition of selected Works - Arch
Moscow, Central House of Artists, 2006
and 2008

With over 35 years of experience, Alexander has worked in numerous countries in Europe and North America and has practiced as an independent licensed architect and professor in both Israel and Russia. In 1975, he won first place for the Olympic Velodrome project which was completed thereafter and won the State Prize for the USSR in 1982. When Perestroika started, a group of five Moscow architects organized the first cooperative society called 'ART' with Alexander as its chairman. This enabled Alexander to instigate licensure of individual private practice in Moscow; the first time this was done since the 1917 revolution.

"A. Gagkayev & Associates" continued to produce significant award-winning works, until Alexander immigrated to Israel. In Israel, he opened his own studio and continued to execute large-scale projects of civic importance until the Palestinian-Israeli aggravation halted all construction prospects and forced him to continue his creative output elsewhere.

In 2001, Alexander moved to Canada and began working in a large Midwestern architectural firm in the Detroit, Michigan area. Shortly thereafter, he became one of the founding members of "studio g+G" in Windsor, Ontario, Canada, where he continues his creative output internationally on large-scale civic architectural projects. His unwavering creative desire enables him to produce innovative work without regard to geographic boundaries or limitations.

Selected Project Experience

VGTRK Multimedia Building - Moscow, Russia - 10 story, 11,640m²

Tsvetnoy Boulevard Complex, Moscow Russia
New 112,000m² multifunctional complex

1057 Walker Road Adaptive Reuse Project

Mount Alvernia Meditation Chapel, Loretto, Pennsylvania

Baylor University Sciences Building, Waco Texas

Interlochen Center for the Arts, Interlochen, Michigan Visual Arts Building

Sourikov Art Institute, Moscow, Russia - restoration and renovation of an existing historic art institute and 12,000m² of new studio space

Technology Park Complex, Jerusalem, Isreal - 80,000 m²

Beck Science Center - Jerusalem, Isreal - 38,000 m²

Jason Grossi, architect
M.Arch, OAA, AIA
Principal Designer

EDUCATION

Master of Architecture, University of Illinois at Urbana-Champaign

Bachelor of Science in Architecture
Lawrence Technological University

REGISTRATIONS

Member of the Ontario Association of Architects

Member of the American Institute of Architects

Registered Architect in Ontario, Michigan, Wisconsin, Pennsylvania

NCARB Certified

AWARDS

Excellence in Architecture Award – University of Illinois at Urbana Champaign for “The Sacred Space of the Franciscan Friary”

Full Tuition Graduate Fellowship, 1997, University of Illinois at Urbana-Champaign

EXHIBITIONS

CBC National Broadcast of “Concertino for Small Orchestra” with the Windsor Symphony Orchestra at the Glenn Gould Studio in Toronto on “Music Around Us,” 1993.

Exhibition of selected Works - Arch Moscow, Central House of Artists, 2006 and 2008

Canadian Music Festival, 2001 – performance of “Gestures for Woodwind Quintet” performed by the Windsor Symphony Orchestra

Jason started his creative output in orchestral composition before finding his dual existence as composer and architect. He has been engaged on numerous occasions by various ensembles, including his own local orchestra to compose works for concerts and radio broadcasts being heard many times on national CBC radio.

While working with Gunnar Birkerts, FAIA, Jason was awarded a full tuition fellowship to complete his graduate studies at the University of Illinois at Urbana-Champaign where he studied with Dominique Perrault, architect for the French National Library in Paris. Upon graduation, he received the Thesis Award in Architecture for his specialization in sacred architecture with a thesis titled “The Sacred Space of the Franciscan Friary;” and his composition “Gestures for Woodwind Quintet” was selected among those of UIUC composition graduate students to be performed at Jason’s direction. This work was also given its Canadian Premier for the 2000 “Canadian New Music Festival.”

Prior to opening studio g+G, Jason worked as project designer for various architecture firms in the Detroit, Michigan area. His experience includes divers building typologies ranging from corporate university buildings to industrial complexes while working with Albert Kahn Associates. He has also worked as a strategic planning consultant for General Motors, employing his design expertise for initiatives dealing with Eero Saarinen’s famous General Motors Technical Center in Warren, Michigan. His 12 years of project experience includes building in North America and in Europe.

Jason has been an adjunct professor in design at Lawrence Technological University, St. Clair College and the University of Windsor and a frequent guest lecturer and juror for design institutions and universities.

Selected Project Experience

Stavropol Complex, Stavropol Russia- 192,000 m² Multifunctional complex in construction documentation

University of Windsor - Visual Arts Building renovations

Tsvetnoy Boulevard Complex, Moscow Russia
New 112,000m² multifunctional complex

1057 Walker Road Adaptive Reuse Project

Mount Alvernia Meditation Chapel, Loretto, Pennsylvania

Baylor University Sciences Building, Waco Texas

Interlochen Center for the Arts, Interlochen, Michigan Visual Arts Building

Michigan Technological University, Houghton, Michigan
Rozsa Centre for the Performing Arts

Veronika Mogyorody
Ph.D., M.A., B.Arch
Architectural Design and Planning

EDUCATION

Ph.D. Urban and Environmental Studies
Rensselaer Polytechnic Institute, Troy, NY

Bachelor of Architecture
University of Detroit Mercy

M.A.
Wayne State University
Housing and Design

B.A. Psychology
University of Windsor

PROFESSIONAL MEMBERSHIPS

American Institute of Architects (AIA)
Canadian Sociology and Anthropology
Association (CSAA)
International Visual Sociology Association
(IVSA)
Rural Sociological Society (RSS)

AWARDS

Kate McCrone Teaching Award, in
recognition of outstanding teaching to the
Faculty of Arts and Social Sciences and
the University of Windsor, 2006

OAA Certificate of Recognition from the
Ontario Association of Architects and
the St. Clair Society of Architects “for
outstanding contributions to the built
environment and to the architectural
profession.” 1999

Recipient of The American Institute of
Architects Scholastic Award, 1998

PUBLICATIONS and PRESENTATIONS

*Reconstructing Place: The Struggle in
Revisioning Downtown.* 2nd Biannual
Urban Mediations Symposium, ArtCite Inc.,
Windsor, ON

Hall, A., & V. Mogyorody. *Organic
Farming, Gender, and the Labor Process.*
Rural Sociology. 2007

*The Search for Lost Ideals: the
Melancholic State of Architecture.*
Conference, Lancaster University,
Lancaster, UK 2007

Dr. Veronika Mogyorody is a graduate of the University of Detroit Mercy School of Architecture, and received her Ph.D in Urban and Environmental Studies from Rensselaer Polytechnic Institute (Troy, NY). She is trained as an architect and urban designer, and has worked on projects associated with sustainable building design. She is an Associate Professor in the Faculty of Arts and Social Sciences at the University of Windsor and has taught courses in the School of Visual Arts, and the Departments of Sociology/Anthropology, Environmental Studies, and Women’s Studies in the areas of architectural history/theory, urban/environmental planning, and sustainable design.

Dr. Mogyorody has been recognized by the Ontario Association of Architects and the St. Clair Region Society of Architects “for outstanding contributions to the built environment and to the architectural profession” and has been a recipient of The American Institute of Architects Scholastic Award. She is dedicated to the heritage of modern architecture, and has been a member on the Windsor Architectural Conservation Advisory Committee, Community Public Art Advisory Committee, Central Riverfront Technical Advisory Committee and the Urban Design Task Force for the City of Windsor. As the current President of the Art Gallery of Windsor (AGW) she is a strong promoter of arts and culture in downtown redevelopment.

Selected Project Experience

Centre for Engineering Innovation [CEI]
University of Windsor Academic Architectural Advisor to the CEI project
- Co-chair, the CEI Steering Committee
- Chair, the Design and Construction Committee

Coordinator, Visual Arts and the Built Environment [VABE]
- Associate Professor, School of Visual Arts, University of Windsor

Medical Education Building
University of Windsor Academic Architectural Advisor to the MEB project
- Co-chair, the MEB Executive
- University representative for the Programming and Design
Development Phase

University of Windsor Health Education and Learning Building (HELC)
University of Windsor - Architect and Contractor Selection Process
- Co-chaired the Executive and General meetings for HELC;
- Worked with the Architects during the Programming and Design
Development Phase

Member of the Site Selection Committee for the Windsor Riverfront
Sculpture Garden

Member of the Urban Design Task Force for the City of Windsor
- Assisted the City Planning Advisory Committee with the
preparation of design guidelines to be integrated into the proposed new
Official Plan for the City of Windsor.

Helena Ventrella, ARIDO, A.SID, NCIDQ
Helena Ventrella Design Limited

EDUCATION

BA in Interior and Fashion Design
University of Windsor

REGISTRATIONS

National Council for Interior Design
Qualification

American Society of Interior Designers

Association of Registered Interior
Designers of Ontario Interior Designers of
Canada

Helena was born and raised in Windsor, Ontario. Through her education, training and work experience, she holds a comprehensive understanding of the local interior design market. Choosing to work on few projects at a time enables her to service her clients to the best of her ability, while leaving quality time with her family. As a resident of South Windsor, Helena is able to cater to clients in a variety of locales from the county to the city and beyond.

Having worked in the restaurant and hotel industry, it is not surprising that "SERVICE" is the highest priority in all her work. Helena worked in various departments at TBQ's Other Place from 1979 until 1986 when she focused her working efforts into interior designing at A & M Gallery Picture Framing & Gifts. At the gallery, Helena assisted Alexandra and Milan Budisavljevic in the day-to-day operation of running a retail/ service oriented business, including the manual application of professional and preservation picture framing.

Helena opened Helena Ventrella Design Limited (HVDL) in 1989 to provide interior design services for custom residential and commercial projects. She is also a valuable part of the design team specializing in finishes and furniture design and selection.

Selected Project Experience

St. Clair College - Centre for the Arts, Windsor, ON

This project included a renovation of the previous Cleary International Centre into what will be the new St. Clair College - Centre for the Arts.

Transit Windsor Bus Terminal, Windsor, ON

HVDL provided a fun and bright scheme for the new transportation hub of Windsor. HVDL wanted to create an inviting space, which would encourage the residents in Windsor to get on board with public transportation. The materials used were chosen for their high impact values, allowing people to absorb the area within the short time that they would be within it.

Windsor Public Library, Main Branch, Interior Renovation, Windsor, ON

Following our design at Transit Windsor Bus Terminal, HVDL was contracted by the City of Windsor to refurbish the main branch of the Windsor Public Library. We worked closely with the administration on updating the interior with user-appropriate finishes and colours. They've requested our involvement on future library projects as funding becomes available.

Hotel Dieu Grace Hospital - #824 West, Windsor, ON

Through Transitions to Betterness, funds were raised to renovate a palliative care room on the 8th floor of the West wing. A soothing scheme provides warmth and comfort in this space to allow for peaceful rest and relaxation to take place.

Academie Ste. Cecile International School, Windsor, ON

EDUCATION

BASc in Civil Engineering
University of Windsor

Bachelor of Commerce and Administration
University of Windsor

REGISTRATIONS

Professional Engineers of Ontario

James has over 24 years of experience in the Construction industry, with work experience in the Toronto, Detroit and Windsor construction markets. His experience includes all aspects of construction from field and site engineering to Project Management and even up-front services in Pre-Construction Work.

James has focused his expertise on Construction Cost Estimating and Scheduling and project management and has made it a priority to see the notion of value-engineering from the viewpoint of scheduling.

James' project experience also involves heavy formwork, highrise construction and historic restoration

Selected Project Experience

Rogers Centre - Skydome. Toronto, Ontario: Large sports arena with retractable roof

IBM Training and Administration Building:
eight building complex which housed research training and administrative area

King's Terrace Condominiums: 220 unit condominium with 2 levels of parking sited on a ravine

Windsor Western Hospital Long Term Care Centre: new care centre joined to the hospital with a service tunnel

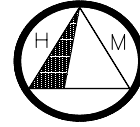
St. Vincent de Paul Van Eslander Centre: multi-agency building which replaces a building destroyed in a fire that serviced the community

Loyola High School: renovation of a complex of buildings to include an existing school. The project also included converting a cathedral into a gymnasium. Another existing building was then converted to a church to service the parish

Club Panace, Windsor, ON: very high end club located in an 80 year old bank building

Small Plates Restaurant: restaurant development in a historic building with lofts designed to respect the historic nature of the building

**HADDAD MORGAN AND ASSOCIATES LTD.
CONSULTING ENGINEERS**



MORKOS H. MORGAN, P.Eng

SUMMARY OF PROFESSIONAL QUALIFICATIONS

Professional Engineer with 35 years experience specialized in Structural Engineering for Industrial, Water Structures, Institutional, Residential and Commercial Buildings.

EDUCATION

B.Sc. in civil engineering – Alexandria University, Alexandria Egypt. 1962
Ph.D. in structural engineering – Moscow Institute for Structural Engineering 1970

PROFESSIONAL ASSOCIATION

Member of the Association of Professional Engineers of Ontario
Member of the Association of Professional Engineers of Alberta
Licensed Professional Engineer State of Michigan

WORK EXPERIENCE

1989 to present
Senior Engineer – Haddad, Morgan and Associates Ltd.

1985 to 1989
Head of Project Unit for Design and Construction Management
World Bank International

1981 to 1985
Senior Engineer – Hanna Ghobrial and Associates

1977 to 1981
Senior Engineer, Dar Al Handasah Consultant

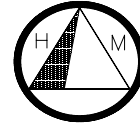
1975 to 1976
Member of Scientific Mission
Moscow Institute of Structural Engineering

1970 to 1975
Senior Engineer – Hafez, Morgan and Associates

1970 to 1975
Associate Professor, teaching concrete and steel structure
University of Mansoura

1965 to 1970
Engineer Ministry of Public Building and Housing

**HADDAD MORGAN AND ASSOCIATES LTD.
CONSULTING ENGINEERS**



WILLIAM TAPE, P.Eng

SUMMARY OF PROFESSIONAL QUALIFICATIONS

Professional Engineer with over 6 years of combined teaching and design experience.

EDUCATION

Ph.D. in structural engineering – University of Windsor 2004

M.A.Sc. in civil engineering (open channel hydraulics) – University of Windsor 2001

B.A.Sc. in civil engineering – University of Windsor 1999

PROFESSIONAL ASSOCIATION

Member of the Association of Professional Engineers of Ontario

WORK EXPERIENCE

2007- Present

Engineer – Haddad, Morgan and Associates Ltd.

2006 to 2006

Engineer – Aleo Associates Inc.

2004 to 2006

Engineer – The Prestressed Group

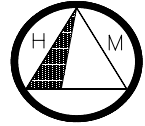
2000 to 2004

Sessional Lecturer – University of Windsor, Department of Civil and Environmental Eng.

2002 to 2002

Production Engineer/Project Manager – Co-Pipe Products, Taylor Michigan

**HADDAD MORGAN AND ASSOCIATES LTD.
CONSULTING ENGINEERS**



YUNIS E. HADDAD, P.Eng

SUMMARY OF PROFESSIONAL QUALIFICATIONS

Professional Engineer with 35 years experience in Civil Engineering and Project Management

EDUCATION

B.Sc. in Civil Engineering – University of Windsor, 1969

PROFESSIONAL ASSOCIATION

Associate of Professional Engineers of Ontario.
Associate of Professional Engineers of Saskatchewan
Associate of Professional Engineers of Manitoba
Designated Consulting Engineer

WORK EXPERIENCE

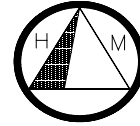
1986 to present
Senior Engineer – Haddad, Morgan and Associates Ltd.

1978 to 1986
Senior Engineer and Project Manager - Chevalier Engineering Associates Ltd.

1973 to 1978
Senior Engineer - A.A. Boscaroli and Associates

1969 to 1973
Quality Control Engineer - Detroit Edison – Detroit, Michigan

**HADDAD MORGAN AND ASSOCIATES LTD.
CONSULTING ENGINEERS**



SEBASTIAN MARTINCIC

SUMMARY OF QUALIFICATIONS

Over 9 years of project experience in Canada and the U.S. as a civil designer and project manager with commercial, institutional and industrial projects.

EDUCATION

B.A.Sc. in civil engineering – University of Windsor 2000

WORK EXPERIENCE

2007- Present

2001-2005

Civil Engineering – Haddad, Morgan and Associates Ltd.

2005 to 2010

Project Engineer – Nowak & Fraus Engineers, Royal Oak, MI, USA

ACTIVITIES

Chair – Assumption Church Conservation Committee, 2008

World Youth Day Volunteer, Germany 2005

Junior Panamerican Games – Spanish Interpreter, Windsor 2002

LANGUAGES

English, French and Spanish

Stephen has over 30 years of technical and management experience in the structural, building, bridge, and environmental engineering disciplines. His design experience has involved many construction materials as well as deep foundations.

Stephen is an experienced Project Manager and has directed and managed many significant multi-discipline projects including industrial complex, commercial and equipment buildings, culverts, bridges grade separation, tunnels, and both water and wastewater treatment plants. His approach to projects stresses design efficiency, cost effectiveness, and timely delivery.

Stephen has also developed specialized experience in structural rehabilitation and restoration and published his work in journals and conferences.

Stephen is an Adjunct Professor in the Faculty of Engineering at the University of Windsor, where he has shared his knowledge through teaching Planning and Construction Management and supervising senior civil engineering students on their projects.

EDUCATION

M.Eng., Structural Engineering, Carleton University,
Ottawa, Ontario, 1971

Qualifying Year for Graduate Studies, McGill
University, Montreal, Quebec, 1968

B.Sc. (Eng.), Civil Engineering, Chu Hai University, NT,
Hong Kong, 1966

PROFESSIONAL ASSOCIATIONS

Member, International Concrete Repair Institute

Chartered Engineer, Engineering Council UK

Member, Structural Engineers Association of Michigan

Member, American Concrete Institute

Member, Institution of Structural Engineers (UK)

Designated Consulting Engineer, Professional Engineers
Ontario

Member, Professional Engineers Ontario

PROJECT EXPERIENCE

Bridges

Responsible for the Structural Design, Evaluation and
Peer Review of the following key facilities:

Gateway Feature Pedestrian Bridge, Windsor, Ontario

Traffic Signal and Sign Support Structures

Concrete Culverts for Road Crossings and Drainage

Condition Surveys and Rehabilitation of Concrete and
Steel Bridges

New Concrete and Steel Bridges for River and Creek
Crossings in Chatham-Kent, Essex, and Oxford Counties

Precast Concrete Railway Level Crossing, Windsor,
Ontario

A Three-Span Bridge for CN Rail Grade Separation,
Woodstock, Ontario

* denotes projects completed with other firms

Forensic Investigations

Structural Evaluation of Four Underground Concrete Reservoirs

Published and Presented Topics in Repair and Restoration of Concrete and Masonry Structures, U.S.A.

Structural Consultant for Evaluation of Structural Deficiencies at the New Tecumseth Wastewater Treatment Plant, Alliston, Ontario

Structural Consultant for High and Low Pressure Transmission Main Replacement Program

Structural Strengthening of Concrete Structures Using CFRP Laminates, Windsor, Ontario

Repair and Strengthening of Large Water Retaining Vessels Using Epoxy Injection and External Reinforcing, Windsor, Ontario

Protective Coating Systems for Steel and Concrete Restoration Projects, Windsor, Ontario

Crack Repairs, Concrete Restoration of Settling Tanks and Aeration Tanks, Windsor, Ontario

Restoration and Strengthening of a Concrete Clarifier, Lakeshore, Ontario

Investigating and Reporting for Insurance Companies, Lawyers, and Municipalities on Cases Related to Building Failures, Structural Distress, and Fire Damages.

Project Management

Project Technical Representative on Behalf of the Canadian International Development Agency (CIDA)
Provided advisory services on design and construction and to conduct feasibility studies for projects in Zambia and Egypt

Conducted Project Design, Management, Planning, and Feasibility Studies for numerous Municipalities and Government Agencies

Clients include City of Windsor; Seven Municipalities in the County of Essex, Chatham-Kent, and Woodstock; Ontario Clean Water Agency; Ministry of Transport-Marine; Public Works and Government Services Canada; and Agriculture and Agri-Food Canada.

Participated as a Value Engineering Team Member for the Design of the \$25 Million Pembroke Wastewater Treatment Plant, Pembroke, Ontario

Participated as a Consultant for the Constructability Review of the \$270 Million Pine Creek Wastewater Treatment Plant, Calgary, Alberta

Structural Engineering

Expansion of Belle River Water Treatment Plant, Lakeshore, Ontario

Wheatley Water Treatment Plant, Chatham-Kent, Ontario

Structural Evaluation of New Tecumseth Sewage Treatment Plant, Alliston, Ontario

North Tillsonburg Pumping Station, County of Oxford, Ontario

Grand River Pumping Station, Waterloo, Ontario

New Sewage and Water Treatment Plants, Muskoka, Ontario

Expansion and Upgrade to the F.W. Woods Water Treatment Plant, Guelph, Ontario

Screw Pumping Station for Town of LaSalle, Tecumseh, and Ford Motor of Canada

Elevated Water Tower, Lakeshore, Ontario

Stephen Tsui M.Eng., C.Eng., P.Eng.
Managing Senior Principal

Expansion of Stoney Point Water Treatment Plant

Sewage Treatment Plant and Pumping Stations,
Lakeshore, Ontario

Sewage Treatment Plant and Pumping Stations,
Kingsville, Ontario

Seven Pumping Stations for the Town of LaSalle Sewage
Works, LaSalle, Ontario

Highlift Pumping Station and Underground Reservoirs,
Cottam, Ontario

Expansion and Upgrade of the Union Water Treatment
Plant, Kingsville, Ontario

Expansion and Upgrade of the Leamington Pollution
Control Plant, Leamington, Ontario

Structural Rehabilitation and Upgrade to the Windsor
Water Treatment Plant, Windsor, Ontario

Maplewood Sewage Pumping Station, Windsor,
Ontario

Capacity Expansion of the Caron Avenue Pumping
Station, Windsor, Ontario

Expansion and Upgrade to the Little River Pollution
Control Plant, Windsor, Ontario

\$110 Million Expansion to the Lou Romano Water
Reclamation Plant, Windsor, Ontario

High and Low Pressure Transmission Main

Underground Regulator Upgrades

Sandy Hill Flood Control Storage Tank

Tenth Line Pumping Station, Ottawa, Ontario

Responsible for Structural Design, Construction Review
and QA/QC of the following Environmental
Engineering and Building Projects:

Truck Service Terminal for International Carriers Ltd.,
Woodstock, Ontario

Services Building for Ford Engine Plant, Windsor,
Ontario

Mazda Automotive Dealership Building, Windsor,
Ontario

Stephen Tsui M.Eng., C.Eng., P.Eng.
Managing Senior Principal

PUBLICATIONS

Application of Ozone at the Old Water Treatment Plant in Windsor Provides Compliance with Regulation 170/03. *International Ozone Association*, 2004.

Restoration of a Concrete Clarifier Structure. *Rehabilitation, Renovations & Preservations of Concrete & Masonry Structures; American Concrete Institution*, 1986.

Comparative Creep Study of Plain Concrete Under Dynamic, Static & Statatic - Dynamic Loads. *Masters Thesis, Carleton University, Ottawa Canada*, 1971.

Model Micro-Concrete Mixes. *Structural Concrete Series No. 23; McGill University*, 1969.

Behavior & Ultimate Strength of Plain & Reinforced Concrete Model Beams Under Combined Bending & Torsion. *McGill University Structural Concrete Series*, 1969.

Nick is an electrical engineer with more than 18 years of experience in designing electrical, instrumentation, and control systems for industrial, institutional, municipal, and recreational facilities. He has extensive project experience in automotive, pharmaceutical, water treatment, wastewater treatment, educational, and juvenile correction facilities. Nick's duties consist of project management, detailed engineering design, preparation of specifications, construction support services, commissioning electrical systems, and training plant personnel on control systems.

EDUCATION

B.A.Sc. - Electrical Engineering, University of Windsor,
Windsor, Ontario, 1987

PROFESSIONAL ASSOCIATIONS

Member, Professional Engineers Ontario

Member, Instrumentation, Systems, and Automation
Society

AWARDS

1993 US Patent No. 5,184,420, Computerized
Fertilizer Injection System

PROJECT EXPERIENCE

Automotive

Daimler Chrysler - Windsor Assembly Plant, Windsor,
Ontario (Electrical Project Manager)

*Managed the design and construction of 4160V to 600V
transformer substation for the Powerhouse and power
distribution design for new chillers and air compressors.*

DaimlerChrysler - Parking Lots, Windsor, Ontario
(Electrical Design Engineer)

*Responsible for outdoor lighting and power distribution design
for several parking lots.*

DaimlerChrysler - Plymouth Road Rail Loading Facility,
Windsor, Ontario* (Electrical Design Engineer)

*Responsible for overall electrical design including computer
aided modelling of the outdoor lighting system.*

Windsor Mazda Dealership, Windsor, Ontario
(Electrical Design Engineer)

*Electrical design responsibilities included power distribution
layout, indoor and outdoor lighting, and communication system
layout.*

A.G. Simpson Stamping Plant, Windsor, Ontario
(Electrical Design Engineer)

*Designed electrical system and controls for gas fired make-up
air units and related equipment.*

Community Institutional

Maryvale Adolescent and Family Services, Windsor,
Ontario (Electrical Design Engineer)

*Electrical design for the replacement of boilers and associated
equipment and the implementation of a boiler management
control system.*

Corporate / Office

Township of Maidstone Municipal Office Building,
Lakeshore, Ontario (Electrical Design Engineer)

*Electrical design for office renovations and addition including
main service upgrade.*

Education

St. Clair College South Campus, Windsor, Ontario
(Electrical Design Engineer)

*Electrical design including lighting layout for renovations to
several computer rooms located in F-Block.*

Food & Beverage

Seagram Americas Amherstburg Plant, Amherstburg,
Ontario (Project Manager)

*Managed the design and construction of the powerhouse
electrical system upgrade.*

* denotes projects completed with other firms

Nick Liburdi P.Eng.
Senior Electrical Engineer

Multi-Unit / Family Residential

Kingsbridge Subdivision, Amherstburg, Ontario
(Electrical Project Engineer)

Design of electrical services for residential subdivision including streetlights, telephone system, and cable TV system.

Windsor Housing Authority 2455 Rivard Avenue,
Windsor, Ontario (Project Manager)

Managed the design and construction of a building security and management system.

Pharmaceuticals & Biotechnology

Pharmaphil Gelatin Capsule Plant, Windsor, Ontario
(Electrical Design Engineer)

Electrical design for the addition of a boiler room and related mechanical equipment.

Roadways

Road Reconstruction at Intersection County Roads 8 and
11, Essex County, Ontario (Electrical Project Engineer)

Electrical design of illumination and traffic signalization.

Taylor Ave. Road Reconstruction, Chatham-Kent, Ontario
(Electrical Project Engineer)

Electrical design of traffic signalization at intersections along Taylor Avenue.

Huron Church Road Reconstruction, Windsor, Ontario
(Electrical Project Engineer)

Responsible for street lighting, design, and power layout for traffic lights.

Sports, Recreation & Leisure

Outdoor Sports Lighting, London, Ontario (Electrical
Design Engineer)

Design of electrical power distribution, branch circuit layouts, and lighting for several baseball diamonds and soccer fields including irrigation controls throughout London.

Adstoll Hockey Arena, Windsor, Ontario (Electrical
Design Engineer)

Responsible for upgrading lighting system using computer aided design software. Also, upgraded main service feeder including control wiring for new refrigeration system.

City of Windsor Park and Recreation, Windsor, Ontario
(Electrical Design Engineer)

Design of lighting and flood warning system along portion of bike path running underneath Huron Church Road bridge at Grand Marais Drain.

Essex Golf and Country Club, LaSalle, Ontario
(Electrical Design Engineer)

Design of decorative lighting for main roadway entrance and parking lot lighting.

Rochester Township - St. Joachim Park, Lakeshore,
Ontario (Electrical Design Engineer)

Design of electrical power distribution, branch circuits, and lighting for new field house facilities.

Wastewater

Lou Romano Water Reclamation Plant, Windsor,
Ontario (Electrical Team Leader)

Capacity expansion and upgrade - responsible for developing standards and overseeing the electrical, instrumentation, and controls design on a 218 MLD sewage treatment plant partnering with several other consulting firms. Stantec was the prime consultant on this project.

Essex Pollution Control Plant, Essex, Ontario (Lead
Electrical Engineer)

Managed the electrical, instrumentation, and controls design of a new 4.6 MLD sewage treatment plant consisting of Sequencing Batch Reactors (SBR) process and UV disinfection.

Big Creek Marsh Sewage Treatment Plant,
Amherstburg, Ontario (Electrical Design Engineer)

Responsible for the electrical, instrumentation, and controls design of a new sewage treatment plant based on rotating biological contactors.

Nick Liburdi P.Eng.
Senior Electrical Engineer

Leamington Pollution Control Centre Headworks Facility,
Leamington, Ontario (Electrical Design Engineer)
*Responsible the electrical, instrumentation, and controls design
of a new headworks facility.*

Medway Pumping Station, London, Ontario (Lead
Electrical Engineer)
*Responsible for overseeing the electrical design to upgrade the
existing pumping station.*

River Ridge Golf and Residential Community, Lakeshore,
Ontario (Electrical Design Engineer)
*Design of electrical, instrumentation, and PLC controls for a
sewage treatment plant based on rotating biological contactors.*

Little River Pollution Control Plant, Windsor, Ontario
(Electrical Design Engineer)
*Instrumentation and controls design for a new dewatering
facility.*

Lou Romano Water Reclamation Plant, Windsor,
Ontario (Electrical Design Engineer)
*Responsible for power distribution, lighting, motor control
circuits, instrumentation, and upgrading PLC based control
system for the entire facility.*

Lakeshore West Sewage Treatment Plant, Kingsville,
Ontario (Electrical Design Engineer)
*Responsible for the power distribution, lighting, instrumentation,
and PLC based control system design of a conventional
activated sludge wastewater treatment plant.*

Water

Wheatley Water Treatment Plant Upgrade,
Chatham-Kent, Ontario (Lead Electrical Engineer)
*Managed the electrical, instrumentation, and controls design to
double the treatment capacity of the existing plant to 23.8
MLD.*

Union Water Treatment Plant, Kingsville, Ontario
(Project Manager)
*Responsible for managing the design and construction of the
power supply upgrade from 1500 kVA to 3000 kVA.*

Caron Avenue Pumping Station, Windsor, Ontario
(Lead Electrical Engineer)
*Responsible for overseeing the electrical design to upgrade the
existing pumping station.*

Lakeshore Water Distribution System, Lakeshore,
Ontario (Project Manager)
*Managed the design, construction, and commissioning of a
remote telemetry system for monitoring and controlling tower
levels and system pressure.*

Wheatley Water Treatment Plant, Chatham-Kent,
Ontario (Electrical Design Engineer)
*Electrical, instrumentation, and controls design and
construction support of a new water treatment facility.*

Union Water Distribution System, Essex County, Ontario
(Electrical Design Engineer)
*Design, implementation, and commissioning of a PLC based
SCADA system via leased lines for monitoring control tower
levels and system pressure.*

Cottam Booster Pumping Station, Essex, Ontario
(Electrical Design Engineer)
*Design of an instrumentation and PLC based controls system
including commissioning and construction support for a new
pumping station.*

Union Water Treatment Plant, Kingsville, Ontario
(Electrical Design Engineer)
*Electrical, instrumentation, and controls design for the addition
of new filters, clarifiers, high lift pumps, low lift pumps, surge
control system, and SCADA system.*

Nick Liburdi P.Eng.
Senior Electrical Engineer

PUBLICATIONS

"The Harrow Fertigation Manager", a computerized multifertilizer injector. *ISHS International Symposium*, 1989.

Wanda Mary Juricic P.Eng.

Electrical Engineer

Wanda is an electrical engineer with experience in designing power, emergency power, lighting, fire protection, nurse call equipment, instrumentation and control systems. Wanda has strong knowledge in using the AGI32 lighting program to calculate the estimated lighting levels. She has had the opportunity to work on subdivisions, wastewater treatment facilities, traffic signalization, and commercial to light industrial developments. Wanda's involvement in a number of projects of varying size and scope has strengthened her ability to provide high quality solutions in a fast growing field.

Her technical background, strong communication skills, and compelling interaction in projects allows Wanda to productively and efficiently complete tasks providing total customer satisfaction.

EDUCATION

B.A.Sc in Electrical, University of Windsor/Bachelor of Applied Science, University of Windsor / Windsor, Ontario, 2001

Detection Lighting and Power Systems, 2003 Ontario Building Code, Windsor, Ontario, 2005

General Legal / Process Certificate, 2003 Ontario Building Code, Windsor, Ontario, 2005

REGISTRATIONS

Professional Engineer, Professional Engineers Ontario

PROJECT EXPERIENCE

Education

Sandwich West Secondary School, Windsor, Ontario (Design Engineer)

Electrical design for the replacement of boilers and associated equipment and the implementation of a boiler control system.

University of Windsor Essex Building, Windsor, Ontario* (Designer)

Designed the renovations to existing Chemistry labs including upgraded lighting, connection to mechanical equipment, and associated control systems. Designed the snowmelt (heat tracing) system on the exterior ramp of building.

Electrical Engineering

Detroit Windsor Tunnel Transformer Upgrades, Detroit, Michigan (Design Engineer)

Revision to the main incoming power including the addition of a unit substation involving primary and secondary load break switches and a transformer. Communication from equipment to existing facility management system.

Windsor Auto Mall, Windsor, Ontario* (Designer)

Electrical design of a five-complex auto dealership including lighting, power, fire protection, data, voice, and security systems. All five buildings are interconnected with the main system intended to be on generator. Exterior lighting on three-point dimming/shutoff pre-programmed scheduling.

Schukra of North America, Windsor, Ontario* (Designer)

Design of power, lighting, data, voice, and cable raceway systems.

Madonna Long Term Care Facility, Ottawa, Ontario* (Electrical Design Engineer)

Electrical design for a 3-story, 160 bed facility including power, lighting, emergency operation, and fire protection systems. Intermediate design and coordination of nurse call, data, voice, and cable systems.

* denotes projects completed with other firms

Wanda Mary Juricic P.Eng.

Electrical Engineer

Boblo Island Resort Community, Amherstburg, Ontario* (Design Engineer)

Designed the primary incoming system in conjunction with the local supply authority. Design and specification of street lighting, primary and secondary power, and services to residential properties, condominiums, restaurants, and marinas.

Transportation Planning

Essex Crossing Development, Essex, Ontario* (Designer)

Design of primary power aerial lines, roadway lighting, traffic signalization, connection to water collection pond pumps, and primary power to transformers feeding commercial facilities.

Wastewater

Woodstock Wastewater Treatment Plant, Oxford County, Ontario (Design Engineer)

Design of a dewatering facility including electrical, instrumentation, and control systems for the addition of a centrifuge, grinder, conveyors and associated equipment.

Belle River/Maidstone Water Pollution Control Plant, Belle River, Ontario (Design Engineer)

Design for a capacity expansion and upgrade including electrical, instrumentation, and control systems for the addition of a new Selector Building, Head Works Building, Alum Building and Effluent Pumping Station. Modifications to existing processes to incorporate new facilities.

Lou Romano Water Reclamation Plant - Upgrade and Expansion, Windsor, Ontario (Design Engineer)

Electrical design for upgrades to the site including street lighting, security, control, and power connections to a new leachate and septic system.

Water

North Tillsonburg Water Treatment Facility, Oxford County, Ontario (Design Engineer)

Design for a capacity expansion and upgrade including electrical, instrumentation, and control systems for the addition of a boiler pumping station and UV equipment. Modifications to existing communication grid.

* denotes projects completed with other firms

Mr. Agha is a mechanical engineer with an impressive background in the design and layout of mechanical building service systems and equipment, construction administration, and project code compliance verification. He has a solid working knowledge of national and local codes and standards applicable to construction of HVAC systems, plumbing, medical gas, and fire protection systems in healthcare, commercial, and institutional facilities.

EDUCATION

Bachelor of Engineering - Building Systems Engineering
HVAC, Energy Conservation, and Building Environment,
Concordia University, Montreal, Quebec, 1997

REGISTRATIONS

Professional Engineer #101800, Association of
Professional Engineers, Geologists and Geophysicists of
Alberta

Professional Engineer #100129873, Professional
Engineers Ontario

PROFESSIONAL ASSOCIATIONS

Professional Engineer, Association of Professional
Engineers, Geologists and Geophysicists of Alberta

P. Eng., Professional Engineers Ontario

LEED Accredited Professional, U.S. Green Building
Council

Member, American Society of Heating, Refrigerating &
Air-Conditioning Engineers

PROJECT EXPERIENCE

Automotive

General Motors - GM Hummer 2 Plant Expansion,
Southbend, Indiana* (Mechanical Engineer)

*Sizing and selecting AHU's for the plant, including sizing
make-up air units for the plant penthouse. Load calculations
and fire protection for the administration, general assembly,
and employee facility building. Design and coordination for
16 bays, expansion into general assembly building.*

Mercedes Benz - Plant Expansion, Tuscaloosa County,
Alabama* (Mechanical Engineer)

*Designed fire protection and storm system for body, paint, and
assembly shops. Designed compressed air, city water, and
natural gas systems. Coordinated the body shop building with
other systems including HVAC and process piping.*

Nissan North America - Nissan Technical Center,
Farmington Hills, Michigan* (Mechanical Engineer)

*Expansion of office building, styling studio, and energy center.
Designed fire protection, sanitary, and storm systems. Provided
design and layout of underground heating hot water, chilled
water, domestic water, and pipe routing from energy center to
new office building expansion.*

Nissan North America - Plant Expansion, Smyrna,
Tennessee* (Mechanical Engineer)

*Designed and performed a complete hydraulic calculation for
the fire protection system, HVAC design load calculation,
equipment selection, and duct layout for the administration
building. Designed dust collection system, equipment selection,
and system layout.*

* denotes projects completed with other firms

Education

University of Michigan - Mary Markley Residence Hall,
Ann Arbor, Michigan (Design Engineer)

Investigated exhaust fans performance. Submit final report on how to correct issues and increase performance of fans.

Pioneer High School - Science Lab and Performance Arts
Facilities, Ann Arbor, Michigan (Project Engineer)

Involved in construction phase - reviewed shop drawings and RFI's.

University of Michigan - Electrical Engineering and
Computer Sciences Building, Ann Arbor, Michigan
(Design Engineer)

Reviewed design of mechanical systems, part of renovation work of the facility. Designed third floor conference room system renovations including air, plumbing, and fire protection. Involved with AHU replacement design and QA.

University of Michigan - Phoenix Memorial Lab, Ann
Arbor, Michigan (Design Engineer)

Involved in the construction phase, and helped design part of hydronic, air, plumbing, and fire protection systems.

Healthcare

University of Michigan Hospitals and Health Centers -
Mott Kitchen Galleys, Ann Arbor, Michigan (Design
Engineer)

Designed chilled water, filtration, and plumbing systems for Galleys Foot Cart Docking Stations. Assisted in construction phase and reviewed shop drawings and RFI's.

University of Michigan Hospitals and Health Centers -
Blood Bank, Ann Arbor, Michigan (Design Engineer)

Updated the design for clean room exhaust hoods and ventilation system. Provided plumbing service to new air-block sink. Assisted in construction phase and reviewed shop drawings and RFI's.

Beaumont Hospital - Emergency Building Expansion,
Royal Oak, Michigan* (Mechanical Engineer)

Designed ventilation system, duct layout, and sizing AHU's and equipment selection for the expansion.

Providence Medical Center - MRI Room Addition and
Renovation, Novi, Michigan* (Mechanical Engineer)

Designed HVAC system for the MRI room, and reworked the existing systems (plumbing, medical gas, and HVAC) to accommodate the change.

Foote Hospital - Emergency Department Expansion and
Renovation, Jackson, Michigan* (Mechanical Engineer)

Designed and coordinated new chiller layout in mechanical room to accommodate the emergency expansion load. Systems included plumbing, fire protection, medical gas, and HVAC. Set-up all sheets for the job using AutoCAD 2-5.

Henry Ford Health System - West Bloomfield Hospital
Second Phase, West Bloomfield, Michigan*
(Mechanical Engineer)

Designed medical gas system, oxygen bulk tank, medical vacuum pumps, medial air compressor skids, and medical manifold systems. Performed calculation sizing for piping and medical equipments. Designed fire protection systems, layout, located standpipes, and coordinated all pipes serving each floor.

Henry Ford Health System - West Bloomfield Hospital
First Phase* (Mechanical Engineer)

Designed fuel system for the emergency generators, boilers, and fire pump. Design and layout of fire pump room. Other responsibilities in first phase included coordination of all utilities for the energy center.

Manufacturing / Industrial Engineering

Owens Illinois Glass Manufacturing Company,
Windsor, Colorado* (Mechanical Engineer)

Designed entire fire protection system, including fire pump house and storage tank. Performed smoke management calculations and smoke evacuation modeling for the warehouse (200,000 ft²) using CFAST modeling software. Designed site utility and sanitary/plumbing systems. Performed various calculations, sump pump sizing, diesel pump sizing, and FM-200 fire protection suppression system.

* denotes projects completed with other firms

Residential Development

Banks of Saline Condominiums, Saline, Michigan (Project Engineer)

Designed ventilation system and CO2 monitoring system per code requirement for all parking garages in this seven building condominium complex.

Wastewater

Waste Water Treatment Plant IT Room Improvement (Mechanical Engineer)

Designed Air-conditioning system for IT computer room.

Belle River/Maidstone Sewage Treatment Plant Expansion and Upgrade (Mechanical Engineer)

Designed ventilation, heating and plumbing systems for the waste water treatment plant. Ventilation and heating systems for designated classified environment areas were designed per the requirement of NFPA 820 (Standard for Fire Protection in Wastewater Treatment and Collection Facilities)

Leamington Pollution Control Plant Expansion and Upgrade (Mechanical Engineer)

Designed ventilation, heating and plumbing systems for the waste water treatment plant. Ventilation and heating systems for designated classified environment areas were designed per the requirement of NFPA 820 (Standard for Fire Protection in Wastewater Treatment and Collection Facilities)

City of Cadillac - Wastewater Treatment Plants and Collection System Improvements (Mechanical Engineer)

Reviewed design for three pumping stations, ventilation, and generator requirements. Assisted in construction phase and reviewed shop drawings and RFI's.

Water

Komoka-Mt. Brydges - Water Treatment Plant Booster Pumping Station (Mechanical Engineer)

Designed ventilation and heating system for the process building. Designed ventilation system for Dry Chlorine Storage room. Designed plumbing system including domestic water heater, and Water heater system for Emergency Eyewash/Shower Station.

City of Bowling Green - Water Treatment Plant Enhancements, Bowling Green, Ohio (Mechanical Engineer)

Designed ventilation and heating system for the process building. Designed ventilation system for wet well and pressure relief for the well. Designed plumbing system including water heater and sump pump for sanitary.

City of Berea - Water Treatment Plant Improvements, Berea, Ohio (Mechanical Engineer)

Designed ventilation and heating for the process building. Designed a compressed air system for carbon transfer from trailer to process equipment. Investigated the need for dehumidification in building and designed dehumidification system. Designed plumbing system including sump pump for sanitary.

Charter Township of Northville - Booster Station (Design Engineer)

Involved in the construction phase, reviewed shop drawings, and RFI's.