

PROFESSIONAL EXPERIENCE

Richard Tartas, eng., Technical Manager, INGAC Consultants

PROFESSIONAL ASSOCIATIONS

Member of Ordre des ingénieurs du Québec (ing./eng.)

COURSES and LECTURES

The following courses, presentations and lecture have been prepared and presented by Mr. Tartas:

- Course (45 h) (in French): "Industrial Acoustics", Continuing Education, École Polytechnique de Montréal (2006, 2008 and 2010);
- Intensive course (in French): "Environmental Noise", CIPE (2008, 2010 and 2011);
- Intensive course (in French): "Building Acoustics", Centre de Formation Continue des Professionnels de la Construction (CFCCP) (2011);
- Intensive course (in French): "Introduction to Building Acoustics", École Polytechnique de Montréal (2005 and 2006);
- Intensive course (in French): "Industrial Noise Control", CIPE (2006);
- Lecture (in French): "Industrial and Urban Noise", Société des Transports de Montréal (STM) (2004);
- Lecture (in French): "Noise Control", McGill University, AQHSST (2004);
- Intensive course (in French): "Industrial Noise Control", SCA Products (2001);
- Intensive course (in English): "Noise Control of Diaper Machines", Kimberly-Clark Corp., Connecticut (2000);
- Lecture (in french): "Architectural Aspects of Noise Control", Alcan (1999);
- Intensive courses (in French): "Industrial Noise Control", Decibel Consultants Inc. (1996 to 2004);
- Intensive course (in French): "Introduction to Building Acoustics", Association Provinciale des Constructeurs d'Habitations du Québec (APCHQ) (1995);
- Intensive course (in French): "Industrial Noise Control", Verdun Hospital (1987);
- Courses (60 h ea.) at the Physics Technology Department, (acoustics, material technology, sensors) and Civil Engineering Department (drawings and specifications, resistance of materials), CEGEP André-Laurendeau (1985-1997).

MAJOR PROJECTS (as project engineer for INGAC Consultants or for other firms)

Environmental acoustics

Project: Noise emitted by Les Grands Travaux Soter inc. during repair work on the Ville-Marie highway in 1999

Client: Robinson Sheppard Shapiro s.e.n.c.r./LLP

Class action concerning excessive levels of noise / repair work on the Ville-Marie highway (Montreal).

Project: Julien-Lord site

Client: City of Longueuil

Recommendations for noise reduction of crushing equipment.

Project: Joliette plant

Client: Graymont Inc.

Feasibility study for environmental noise control of crushing equipment.

Project: Sainte-Anne-de-Bellevue boul., Montreal

Client: Grenstal inc.

Measurement of highway and train noise. Recommendations for soundproofing of building envelope.

Project: East-West Highway, Algeria

Client: Le Groupe S.M.I. et Decibel Consultants inc.

External control of methodology of previsual noise study. Recommendation for noise barriers.

Project: Les Jardins Vaudreuil (QC)

Client: Le Groupe Maurice

Future residential project. Prediction of highway noise level at building location.

Project: Arrondissement d'Ahuntesic-Cartierville (Phases 1 et 2)

Client: Leroux, Beaudoin, Hurens & Associés inc. and city of Montreal

Measurement and evaluation of annoyance from airplane take-offs at Montreal-Trudeau airport.

Project: Malartic mine (QC)

Client: Osisko Exploration

Future mine. Environmental noise study of drilling operations.

Environmental acoustics (cont'd)

Project: Winchester plant (ON)

Client: Parmalat Canada

Milk products plant. Environmental noise study. Application of «Ontario Ministry of the Environnement» noise regulation.

Project: Sorel-Tracy plant (QC)

Client: QIT – Fer et Titane

Iron and titanium plant. Perform outdoor noise measurements, calculations and computer simulations. Recommendation of corrective measures for noise control and preparation of drawings and specifications for miscellaneous pieces of equipment (heat exchangers, fans, transformers, dust collectors, conveyors, etc.).

Project: Technodôme (Montreal)

Client: Heathmount

Future recreational park. Impact noise study related to the environmental noise produced by the mechanical equipment and outdoor recreational activities.

Project: Montreal and Saskatoon Plants

Client: Robin Hood Multifood

Flour plants. Perform outdoor noise measurements, calculations and computer simulations. Recommendation of corrective measures for noise control and preparation of drawings and specifications for miscellaneous pieces of equipment (fans, transformers, dust collectors, motors, etc.).

Project: Saint-Élie-d'Orford training site

Client: Ministry of Defence

Military project. Environmental noise study from military training activities and recommendation of mitigation measures.

Building acoustics

Project: Les Habitas Saint-Denis (Montreal)

Client: Les Habitations Devler

Residential project. Recommendations for sound insulation of walls and floors.

Project: Control room of Area 2 (Montreal)

Client: Petro-Canada

Refinery. Recommendations for reverberation control in offices and control room.

Building acoustics (cont'd)

Project: Offices of St-Basile-le-Grand Health Center

Client: Orthese Plus

Office building. Recommendations for sound insulation and speech privacy of existing offices.

Project: Offices of the 600, rue de la Gauchetière O. St., (Montreal)

Client: Vaillancourt Associés Designers

Office building. Recommendations for sound insulation and speech privacy of existing offices.

Project: Le Sophia (Montreal)

Client: DSM-AEEOA Construction Group

Residential project. Recommendations for sound insulation of walls and floors.

Project: Le Sopra (Montreal)

Client: Gestion Lehoux & Tremblay

Residential project. Recommendations for sound insulation of walls and floors. Recommendations for noise control of mechanical and electrical equipment.

Project: Le Solstice (Montreal)

Client: Gestion Lehoux & Tremblay

Residential project. Recommendations for sound insulation of walls and floors. Recommendations for noise control of mechanical and electrical equipment.

Project: Royal Penfield (Montreal)

Client: RBC Construction

Residential project. Recommendations for sound insulation of walls and floors. Recommendations for noise control of mechanical and electrical equipment.

Project: Tour de Montréal (Olympic Stadium)

Client: Lemay et Associés

New offices in the existing tower of the stadium. Preparation of performance specifications and determination of permissible noise and vibration levels from elevators and mechanical systems.

Project: Duke-Wellington building (Montreal)

Client: Cité Multimédia

Office building. Recommendations for sound insulation between offices. Recommendations for noise control of mechanical and electrical equipment.

Building acoustics (cont'd)

Project: Royal Penfield (Montreal)

Client: RBC Construction

Residential project. Recommendations for sound insulation. Recommendations for noise control of mechanical and electrical equipment.

Project: Pointe-Claire (QC) building

Client: Future Electronics

Office building. Recommendations for noise control of mechanical and electrical equipment. Recommendations for reverberation control in offices.

Project: Hibernia

Client: Newfoundland Offshore Contractors

Offshore platform. Recommendations for sound insulation of living quarters and for control of HVAC noise. Recommendations for reverberation control in rooms.

Project : Music Conservatory of Hull

Client : Société Immobilière du Québec

Institutional project. Recommendations for soundproofing of music rooms.

Industrial noise control

Project: Kennecott Utah Copper mine (Salt Lake City)

Client: BPR-Bechtel

Copper mine. Pre-engineering study to determine the probable corrective measures and costs for the hearing protection of workers.

Project: Laterrière Plant (QC)

Client: Alcan

Aluminium plant. Perform indoor noise measurements, calculations and computer simulations. Recommendation of corrective measures for noise control of miscellaneous pieces of equipment. Testing of the OUIE2000 software.

Project: Saint-Hyacinthe plant (QC)

Client: SCA Hygiene Products

Hygiene products plant. Perform indoor noise measurements, calculations and computer simulations. Recommendation of corrective measures for the hearing protection of workers.

Industrial noise control (cont'd)

Project: Labrador City mine

Client: Iron Ore of Canada

Iron mine. Establish a noise control program to be implemented in the next years at the Labrador City mine. The main purpose of this program was to identify the action priority for the protection of overexposed workers to noise and to define the needs for further noise control engineering studies.

Project: Alcan Gas & Fume Treatment Centers, Alma (QC)

Client: Procedair Industries

Aluminium plant. Establish a methodology for the noise measurement of stacks, ducts, fans, motors, blowers, water pumps and building envelope in order to verify their conformity to noise.

Project: Lapointe Plant, Jonquière (QC)

Client: Câble Alcan

Aluminium cable plant. Perform indoor noise measurements, calculations and computer simulations. Recommendation of corrective measures for the hearing protection of workers.

Project: Saint-Hyacinthe (QC) and New Milford (Connecticut) plants

Client: Kimberly-Clark

Hygiene products plants. Recommend applicable corrective measures and treatments in order to lower the noise level around the diaper machines. For each machine component that requires noise control, determine the required noise reduction and applicable noise control treatments and costs. Identify priorities and implementation measures of the recommended treatments.