

## QualaTech Aero Consulting Ltd.

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## QualaTech Aero Consulting Ltd.

### General Background and Information:

QualaTech Aero Consulting Ltd. was first incorporated in 1996 under Global AeroTech Consultants Inc. In 2002 the Company changed its name to QualaTech Aero Consulting Ltd. In the twenty years spanning operations, QualaTech has become a recognised leader in numerous disciplines within the aviation industry.

QualaTech Aero Consulting Ltd. is meeting the challenge in Safety, Human Performance and Quality. QualaTech is distinguished by task related performance, experience and hands-on involvement. Not only does QualaTech provide the advice and service our Client's demand but QualaTech also ensure the required support throughout all stages of a project, from pre to post implementation.

Small enough to maintain a high quality of service, QualaTech is nevertheless, a global performer with unique experience in diverse fields. It is that experience, which allows QualaTech to offer a wide variety of specialized Consulting Services - individually or as a complete package to our Clients. QualaTech's Principal Consultants bring to any task the combination of more than 200 years' experience in airport operations, flight operations, maintenance, engineering and air traffic management. Our Consultants have extensive Canadian and International aviation experience, having held senior positions in Canada and Internationally. Examples of which include the Civil Aviation Organization (ICAO), International Air Transport Association (IATA), leading aviation operations, systems and service companies plus International Airports and Civil Aviation Authorities and Tribunals.

QualaTech has evolved into an efficient and personable, organization. Our capabilities have broadened along with our expertise and extensive portfolio. Transport Canada recognizes QualaTech as a "Safety Champion". Individually or as a team, our specialists are trained and motivated: each representing the pinnacle of achievement in their own field and profession.

The QualaTech domestic and international Client base has increased steadily over the past 20 years. During that time, QualaTech has played a leading role in Canadian Safety Management Systems (SMS) development and implementation processes. QualaTech is believed to have been the first Organisations in North America to design and implement a dedicated SMS program at an International Airport (2005) inclusive of providing SMS and Human Factors Training. Consequently, QualaTech was recognised by the Canadian Airports Council (CAC) as a preferred training organisation for airport SMS and Human Factors.

### Experience:

QualaTech has provided (not in order): Training, Certification processes, Quality Assurance, Wildlife Management Plan, Hazard & Risk Assessment, Emergency Planning, Auditing and Safety Management Services, Change Management and OH&S to the following organisations:

- Victoria International Airport
- Kelowna International Airport
- Vancouver Airport Services (YVRAS)
- Aerodom – Dominican Republic
  - Gregorio Luperón International Airport
  - Maria Montez International Airport
  - Samana (El Catey) International Airport
  - La Isabela International Airport, Santo Domingo
  - Las Americas International Airport, Santo Domingo
  - Aeropuerto Internacional Maria Montes de Barahona
- Gander International Airport
- The Instituto Dominicano de Aviación Civil (IDAC)
- Sangster International Airport, Montego Bay, Jamaica

Abbotsford International Airport  
Vancouver Harbour Flight Centre (VHFC) Seaplane Terminal  
Thunder Bay Airport  
Calgary International Airport  
Aeroporto de Montreal  
Masset Regional Airport  
St John`s International Airport  
Victoria Water Airport  
Bella Bella Regional Airport  
Regina International Airport  
Comox Valley Airport  
Campbell River Airport  
YVRAS  
Red Lake Municipal Airport.

QualaTech has gained many ‘person years’ of unique practical experience in the field of international and domestic airport consulting, plus additional and extensive experience in airline operations, air traffic management, SMS, quality, auditing, engineering and piloting. QualaTech`s Client base covers many Fixed Wing and Rotary Wing Organisation, too plentiful to name but available on request.

Principal Consultants within QualaTech are or have been members of the following:

Royal Aeronautical Society (Mr. David Olsen FRAeS)  
Canadian Aviation Technical Advisory Committee (CARAC)  
Pacific Aircraft Maintenance Engineer Association – (PAMEA)  
Transportation Appeal Tribunal of Canada (TATC)  
Guild of Air Pilots and Air Navigators – Technical & Air Safety Committee.  
Canadian Business Aircraft Assc. (CBAA) – Judiciary/Arbitrator  
ISO – Lead Auditor.

Principal Consultants within QualaTech have held the following positions:

Transport Canada Division Superintendent Air Administration  
Quality Control Inspector (ACA)  
Quality Manager  
Engineer (AME) – Canadian Airlines, Saudia Arabian Airlines, Garuda, Air TransAt, Canada 3000  
Director of Maintenance  
B.C. Government – Policy Analyst & Technical Advisor  
Transport Canada – TATC (Judiciary)  
Commissioner – Inquires Act  
Transport Canada - MDM  
President – QualaTech – Aero Consulting  
Royal Air Force – Air Electronics Officer  
Raytheon Europe - Director Aviation Systems  
ICAO, Eurocontrol, European Commission - Consulting editor and audit team leader  
IATA - Technical Director  
Senior Manager - Major International Airport  
IATA – Technical Director, African Region (Nairobi)  
IATA – Director, Regional Technical Affairs Headquarters (Montreal).  
International Aeradio Plc. – General Manager (Marketing)  
Raytheon Europe – Director (Aviation Systems Division)  
President – Olsen International Aviation Consultants Ltd.  
ICAO – ATM Specialist  
Quality Director.

## Principal Consultants Active Consulting Experience:

- Preparation, promotion and organisation of the EURO-CONTROL AIS industry symposium, "AIS 2000+".
- Advice to clients and expert witness team leader at the London Heathrow Airport Terminal Five Planning Enquiry.
- Consultant to Vancouver Airport Services on airport projects, training and safety.
- SMS Consultant for implementation & training to Victoria International Airport (YYJ).
- Consultant to EC DG XVI on civil aviation projects in Greece.
- Team leader of the European Commission audit team to audit and monitor the implementation of the new air traffic management system for the six Central American Republics and provision of management and organisational advice to COCESNA (Central American Air Navigation Services Corporation).
- BCEHS Air Ambulance Auditor.
- ECAC Airports Bureau Study on validation of ATC procedures and systems.
- Study on Levels of ATC Service at airports for the UK CAA.
- Consultant to EURO-CONTROL for high level Public Affairs activities, technical documentation, and preparation for Ministers meetings.
- Implementation of a commercialised ATC organisation for the Czech Republic and re-organisation and automation of the aeronautical information services (AIS). Provision of management, quality, safety, financial, institutional, and commercial workshops to the staff of Czech Air Navigation Services.
- Disaster/Emergency Contingency Program Planning.
- Wildlife Management Planning.
- Advice to the European Investment Bank on the optimum management structure and organisation for the privatised Mauritius airport company.
- New Airline and AMO 'start-up' consultation.
- Civil Aviation Master Plans in Africa for ICAO, including air navigation services master plan and assessment of technical requirements, organisation and staffing.
- Aviation & Airports Sectorial Study in Burundi (Central Africa) for the World Bank.
- Aircraft Maintenance and Quality Auditing.
- BCHydro Aviation Auditor, SMS and Risk Assessor.
- Quality Systems/Program Training (Assorted Companies).
- Advice to the European Commission on Air Traffic Management.
- Study on the airport and ATM development strategy for Southern Ontario.
- Preparation of aviation section of UNDP 5th ICP for the South Asian Region.
- Management and Company 'Boot Strapping'.
- Review and assessment of future airline pilot requirements and development of plans for the establishment of an aviation academy for a major international client.
- Preparation of operating procedures for the new Incheon (Seoul) airport, Korea.
- Safety Validation study for EUROCONTROL for change to 8.33khz channel spacing.
- Assessment of aviation security system technology, risks, threat and management.
- Verification of air navigation system requirements for European Bank for Reconstruction and Development.
- Implementation of SMS & supporting programmes at over 12 Canadian Airports.
- Implementation of QMS & supporting programmes at numerous Canadian Airport.
- Requirements for a Safety Case on the Victoria Water Airport.
- Implementation of compete SMS, QMS & supporting programmes for Bella Bella.
- Implementation of compete SMS, QMS & supporting programmes/training for VHFC Seaplane Terminal.
- Implementation of compete SMS, QMS & supporting programmes for Masset.
- Airport upgrade and expansion project.
- Expert Witness – Risk Assessment.

The following examples reflect some of the focused capability and services offered:

- 1). SMS Gap Analysis
- 2). Design and document appropriate SMS program (including Safety Management Manual)
- 3). Safety Assurance Process (Hazard ID & Risk Assessment)
- 4). SMS Training
- 5). Human Factors Awareness Training
- 6). Pre or Post Certification Assessment for Airport (ICAO)
- 7). Pre or Post Certification Assessment for Heliport (ICAO)
- 8). Wildlife Management Program
- 9). Emergency Disaster Planning
- 10). Building of Control Documents including Airport Operations Manuals (AOM)
- 11). Design and document appropriate QAP/QMS program (including QMS Manual)
- 12). Compliance Audits to Annex 14 Vol. 1 & 2. (inclusive of ICAO Doc 9734 and TP312)
- 13). Compliance Audits to International, National and/or other standards as required
- 14). Fatigue Management Programmes
- 15). Safety Case (Project and Unit)
- 16). Ramp Safety Programmes including AVOP
- 17). Airport / Heliport Certification (Part 139, TC 302, ICAO Doc 9774, etc.)
- 18). Runway Safety Programme
- 19). Training on virtually all above
- 20). ERP Manual & Training
- 21). Bird & Wildlife Manual
- 22). Change Management Training

Before Safety Management Systems and Quality Assurance (QA) Regulation in Canada, QualaTech was providing aviation Organisations, inclusive of Airport, Maintenance, Flight and Manufacturing, comprehensive SMS and Quality Assurance Programmes (QAP) that were based on the early requirements of the ICAO and ISO 9000 and AS 9000 Standards. Today QualaTech is a strong advocate for 'Beyond Minimum Compliance' (BMC) and is a recognised leader in SMS, Quality Management Systems (QMS) and Risk Management.

QualaTech builds and provides robust customised SMS & QA Programmes that reflect the intent of the ICAO Annexes in conjunction with other requirements, such as National Authorities and ISO Principles. QualaTech training is typically formal, ensuring that all participants are conversant, competent and effective in managing their Systems and Programs.