



APPENDIX "A"

Qualatech Aero Consulting Ltd.

TEAM CREDENTIALS & COMPETENCY

QUALIFICATIONS AND RELEVANT EXPERIENCE

(Principal Consultants only)

QUALATECH AERO CONSULTING Ltd.

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KEY EXPERIENCE

QualaTech Aero Consulting Ltd.

QualaTech Aero Consultants Ltd. has extensive Canadian and international aviation experience. Our consultants have held senior posts in Canada with the International Civil Aviation Organization (ICAO), International Air Transport Association (IATA), leading aviation operations, systems and service companies; including but not limited too: international airport and civil aviation authorities and Tribunals (Transportation Appeal Tribunal of Canada – TATC).

QualaTech Aero Consulting Ltd. provides focused capability in the operational environment in:

- Safety Management System (SMS) - development and implementation
- Safety and Quality Auditing
- Safety and Quality Management
- Aviation Promotion and Development
- Airport Systems and Safety
- AMO, Maintenance and Manufacturing
- Hazard - Risk Assessment and Safety Case
- Training in: Safety, Risk Management, Change Management, Fatigue Management, Quality & Human / Performance.

Capabilities and Consulting Experience:

QualaTech's services focus on employee involvement because safety, like quality, is a goal more readily achieved if it is integrated into daily operations as a shared responsibility. Experience of QualaTech Aero Consultants Ltd. includes but is not limited to the following:

- SMS - Victoria International Airport.
- Safety Management training and implementation (various clients).
- Leading a European Commission team to audit and monitor the implementation of a new air traffic management system for the six Central American Republics.
- Management of a corporate flying operation, operating high performance jet aircraft.
- Maintenance Director of Several Airlines.
- Training courses in safety, human factors and quality for national and international clients.
- Quality Director of several Airline & Manufacturing operations.
- Maintenance, engineering and quality management in Canada and the Middle East.
- Evaluation of the Safety Case of the long term operating plan for Sydney International Airport, Australia.
- Regulatory requirements & safety management guidelines for air traffic management for the Civil Aviation Administrations of Latvia and Poland.
- Planning and implementation of the commercialized State Corporation "Air Navigation Services of the Czech Republic". Provision of management, quality, safety, financial, institutional and commercial workshops to the staff of Czech Air Navigation Services.
- Assessment of collision risk and associated track structure development for North Atlantic aircraft operations.
- Airport and ATM safety, re-organization and commercialization in Australia, Canada, New Zealand, Korea and other States.
- Preparation of the EURO CONTROL safety case for the change to 8.33khz channel spacing.
- Advice to Vancouver Airport Services on airport projects, training and safety.
- Installation of SMS for: Campbell River Airport, Comox Airport, Gander International Airport, Regina International Airport, Kelowna International Airport, Including Gap Analysis, SMS Manual, Safety Assurance Process Review SMS/HF training.
- Installation of SMS components for Montego Bay (Jamaica) International Airport and associated Training, Including Gap Analysis of SMS manual / services.
- Safety Report for YVRAS on six International Dominican Airports operating under AERODOM Siglo XXI.
- Human Performance / Human Factors Training for the Dominican Civil Aviation Authority (IDAC).
- Human Performance / Human Factors (Train the Trainer) Training for AERODOM Siglo XXI.
- Performance of SMS Gap Analysis for Calgary International Airport.
- Aerodrome Pre-Certification Assessment to ICAO.

Published Articles (www.qualatech.ca):

Title	Published in	Date Published
Safety Management	WINGS MAGAZINE	January 2006
The Pace Quickens	WINGS MAGAZINE	July/August 2006
Newspaper Article	SIDNEY REVIEW	-----
Airport Revitalization	WINGS MAGAZINE	November/Dec 2008
Victoria Airport SMS	WINGS MAGAZINE	February 2006
The Vikings are coming	WINGS MAGAZINE	March/April 2009
Quality	WINGS MAGAZINE	April 2010

PRINCIPAL CONSULTANTS

Keith Edward Green – President
David Olsen – Principle Constant

Keith Edward Green

Professional Qualifications & Memberships

Canadian DOT. Aircraft Maintenance Engineer's License. #.	M 259947
Category "M" (Maintenance)	M1 & M2
Category "S" (Structures)	S -33***
Type Ratings. (Large Transport listed only) B737-100/200/300/400 / DC8-40/50/60 / DC10-10/30	
Minister's Delegate- Maintenance (Transport Canada)	
American FAA (A. & P.)	License & Cert.# 2461694
American FAA (Inspection Authorisation.)	License & Cert. #. 2461694 - I.A.
Canadian Pacific Airlines Company. ME 22.	Cert. #. A-723
Saudi Arabian Airman's Cert. (A. & P.)	Cert. #. M-3093
TEAM Aer Lingus (IAA)	(Cert. #. MA 1784

Key Experience

Keith Green commenced his aviation career as an Aircraft Maintenance Engineer (AME) in Canadian general aviation and has 38 years of experience. In 1980, he joined Canadian Pacific Airlines and gained numerous Type Ratings before undertaking several overseas assignments with other key international operators. Working abroad for several years as a senior engineer and independent contractor, he acquired valuable experience in Maintenance, Engineering, Quality, Production and Management. Throughout his time overseas Mr. Green's experience and qualification steadily evolved to encompass four National Aircraft Maintenance Licences; and numerous airline and national privileges; culminating with the FAA Inspection Authorization (IA) and Transport Canada's Structural Privilege. Returning to Canada, Mr. Green accepted a Quality Manager position for an aerospace manufacturing organisation.

In the mid-90's Mr. Green joined the British Columbia Government Air Service's (BCGAS) Quality/Production departments. In 1996 a career opportunity resulted in a lateral shift with the Government of British Columbia as a Technical Policy Analyst, where for several years he worked with many leading edge companies who were developing alternate fuel and low emission engines, such as Ballard Power (Permeable Membrane Technology - Methane and Hydrogen based gases). Mr. Green

was instrumental in obtaining Ballard Power (fuel-cell technology) with an initial 5.5 million dollar grant. Additional, Mr. Green also provided technical Papers and Briefs for the Minister. During this engagement with the BC Government, Mr. Green was able to apply his aviations skills in Quality, Engineering, Safety and Human Factors. The experience gained in this environment was of great value and still proves to be of assistance when dealing with regulatory agencies.

Mr. Green is a Member of the Canadian Aviation Regulation Advisory Council (CARAC) and in 1998 was appointed to the Transportation Appeal Tribunal of Canada (TATC). As a presiding TATC Member, Mr. Green frequently conducted Hearings and Appeals as brought before the Tribunal. Mr. Green was also involved with the CARAC Web consultation program.

In 1997 Mr. Green founded an aviation consultancy for airports, airlines and maintenance organisations. The initial contract was to establish a private cargo operation, where he was the principal consultant and interim Director of Maintenance. QualaTech-Aero Consulting Ltd. has since evolved into a leading aviation consultancy in Western Canada; recognised by Transport Canada as an "Industry Champion". However, QualaTech is not limited to a national market; the organisation is effectively engaged in the international marketplace as well.

Keith Green has worked around the world on numerous assignments with major international carriers, gaining further experience and knowledge in the process. In the course of his career Mr. Green has undertaken many in-depth reviews of airports, airlines and aerospace manufacturing operations throughout the world as part of an audit process, review process and/or consulting service.

As President of QualaTech, Keith Green was able to achieve several firsts in North America with respect to Safety Management Systems (SMS) and training. QualaTech was one of the first organisations in North America to design and install a functional and compliant SMS at a Canadian International airport. Additionally, QualaTech is renowned for providing SMS and Human Factors training to airports, having since completed many nationally and internationally projects.

As a Transport Canada trained and certified Quality Auditor, Mr. Green has audited numerous large and small aviation organisations. The knowledge thus gained; combined with his Quality Assurance and Control experience, augments the more recent work Mr. Green has accomplished with airports since 2002.

Concentrating on the growth and direction of QualaTech Aero Consulting Ltd., Mr. Green has expanded the organisation into a major Canadian Aviation Consulting firm. For example, in 2006, QualaTech installed three complete airport dedicated SMS and preformed 5 Gap Analyses in Canada, in additional to other directly related airport services. 2007 provided further expansion, and growth with Clients in the Dominican Republic, Jamaica (MBJ), Calgary International Airport and Gander Internationally Airport. In 2008 QualaTech's reputation for service, performance, value and quality has become further acknowledged in the aviation world. 2009 also included three complete SMS and numerous training courses. As President of QualaTech, Mr. Green was highly involved in the SMS implementation and training programs for Regina International Airport,, Abbotsford International airport, Comox and Campbell River Airports.

Two of QualaTech's major international clients are Vancouver Airport Services (YVRAS) and Aerodom (Dominican Republic), for whom principle consulting services were undertaken, consisting of: Safety Management Systems, Pre-Certification Assessment, HF and Safety Training.

Project Experience

Mr. Green's professional activities have included aircraft engineering, maintenance, repair, quality assurance/control/management, overhaul, manufacturing, safety assessments, hazard and risk analysis, airport development, safety case, compliance audits, aircraft import/export, safety, performance review, technical, legal and operational survey - around the world.

Since the inception of QualaTech, Mr. Green has remained 'hands-on' and has developed / designed / operated / managed airport, aircraft maintenance, quality and manufacturing services. Additionally, he has also designed safety and human factors training courses both in conjunction with Mr. Olsen and individually for various Clients.

Mr. Green has played a leading role with QualaTech in the development and implementation of the safety management systems (SMS) for the following Canadian airports:

- Victoria
- Kelowna
- Gander
- Abbotsford
- Regina
- Campbell River
- Comox

Airport activities included Gap Analysis, Project Plan, Hazard & Risk Analysis, Training, Safety Management Manual, Airport Operations Manual (AOM), etc.

In 2006, in conjunction with Mr. Olsen, he carried out the pre-certification and safety assessment of five major airports in the Dominican Republic for AERODOM (YVRAS). In 2007, Mr. Green was contracted by Vancouver Airport Services (YVRAS) to provide SMS GA and SMS/HF training to MBI Airports Ltd – SIA (Jamaica) Montego Bay.

Mr. Green's engineering practices and quality assurance experience enabled him to become efficient in many disciplines pertaining to aircraft and other aviation and airport related disciplines. As owner and President of QualaTech, Mr. Green has been able to utilise his knowledge and experience, turning QualaTech into one of Canada's premier SMS authorities. QualaTech was at the forefront in SMS implementation before Regulation in Canada and was able to design aspects of the program that Transport Canada reviewed as example and best practice. Mr. Green is an active member of CARAC and has contributed to the overall SMS requirement. QualaTech has maintained its leading edge, honing its skills further to provide ever better service to its Clients and Patrons. To this end, QualaTech, remains dedicated to safety.

David Olsen

Professional Qualifications & Memberships

Fellow - Royal Aeronautical Society
Certified Lead Auditor (Quality Assurance) CSA (ISO 9000)
London (UK) Business School, Corporate Senior Management Program
City and Guilds of London Institute: Final Telecommunications Certificate
Royal Air Force: Air Electronics Officer
Guild of Air Pilots and Air Navigators – Technical & Air Safety Committee Member
Qualified Instructor - Transport Canada (Distinguished Pass) & Royal Air Force
Air Traffic Control Licence - Transport Canada
UK Royal Naval Reserve Training College HMS Worcester. First Class Extra Certificate
UK Ministry of Transport Second Mate (Foreign Going) Certificate
Languages – English, French, Spanish

Relevant Project Experience

Mr Olsen is an experienced aviation consultant and has spent over 50 years in the aviation industry. His professional activities have included airport development, audits, safety and quality management, performance review, technical and operational survey, air traffic management and air navigation services, and have been undertaken throughout the world.

Since 2001 he has been resident in Sidney BC and has worked with ICAO, Vancouver Airport Services, Victoria Airport Authority and QualaTech Aero Consulting on a number of projects with a particular focus on safety, human factors and training. He has developed airport and aircraft maintenance safety, human factors and QA training courses for QualaTech Aero Consulting Ltd and presented approximately twenty courses during the last six years.

He has played a leading role with QualaTech in the development and implementation of the safety management systems for the following Canadian airports:

Victoria
Kelowna
Gander
Abbotsford
Regina

Activities included Gap Analysis, Project Plan, Hazard & Risk Analysis, Training and the Safety Management Manual.

In 2006, with QualaTech he carried out the pre-certification and safety assessment of five major airports in the Dominican Republic.

He has undertaken a wide range of safety related work for airports in Latin America, the Caribbean and Cyprus for Vancouver Airport Services. This included preparation of the standard ICAO compliant Aerodrome Manual and Safety Management Manual, which received international acclaim.

Between 1988 and 2001 Mr Olsen's consulting activities were undertaken in Europe, Central America, North America, Africa and Asia. Highlights were:

- Consultant to the Performance Review Commission (PRC) of the European Agency for the Safety of Air Navigation (Eurocontrol) in Brussels.
- Development of regulatory requirements and safety management guidelines for Latvia, Poland and other east European countries in preparation for their entry into the European Union
- Managed the project to set up the autonomous civil air traffic authority of the Czech Republic,
- Development of operational, airspace and safety procedures for the Seoul (Inchon) Airport in Korea.

- Independent assessment of the safety case for operational procedures following the expansion and new runway at Sydney (Australia)
- Audit team leader for the European Commission, auditing and monitoring a major ATM project in Central America
- Headed the expert witness team for a group of multinational companies at the London Heathrow Airport Terminal 5 Enquiry.

An important aspect of this project is the production of top quality documentation and reports that are concise, technically correct, clear and well written. QualaTech has excellent capability in this field and David Olsen is experienced as a leading international writer for prestigious aviation publications. He was the supervising editor of the ICAO Millennium publication and has been an author for several other major ICAO publications. During his earlier service with ICAO he was Chief Editor of the ICAO Air Traffic Services Planning Manual.

On behalf of the author (Richard Profit - Group Director Safety Regulation UK Civil Aviation Authority) he edited the book “Systematic Safety Management in the Air Traffic Services”, prior to publication. This book became the authoritative work on the subject, used throughout the world.

He is a regular contributor to “Wings” magazine and for several years was a consulting editor of the magazine Airports International while also contributing extensively to other publications such as the ICAO Journal. He was retained by Eurocontrol in Brussels to write, edit and manage the production of a wide range of publications and documents including Annual Reports and Program Reports.