



Aviation Fuel Solutions International

Aviation Fuel Handling 360° Technical Support

Ravin J Appadoo, Ph.D.
President





Who we are?

- Consultancy company specialized in aviation fuel
- 2005: Company started operations
- 2007: Incorporation in Canada
- Head-office in Montreal, the capital city of aviation in North America
- Aviation fuel experts with combined 50+ years of experience in the industry
- Leading edge of development in aviation fuel
- Affiliations include ICAO, IATA, UN, JIG, ASTM, Energy Institute, CRC

Expertise you can trust...



President



Senior Consultant

Fuel Consultants & Auditors:

- Yukio Mashimoto
- Mike Ramudu
- Domenic Caccese
- Keith Carter



Consulting Partner



Our Vision

- Assist our customers achieve *excellence* in aviation fuel handling:
 - Safety is NEVER compromised
 - Efficiency in operation
 - Quality is a way of doing business
 - Demonstrate environmental stewardship



Our Values

- **Customer focus** – Attentive to customers needs
- **Accessibility** – Round the clock 24/7 service
- **Partnership and Shared Success**
- **Trust** – Building relationships based on trust
- **Pro-active** – Prepare for the worst
- **Knowledge base** - In-depth knowledge of the industry and trends in aviation fuel handling
- **Capacity building** – Transfer of know-how
- **Work Ethics** – Conduct our business in an ethical and transparent way



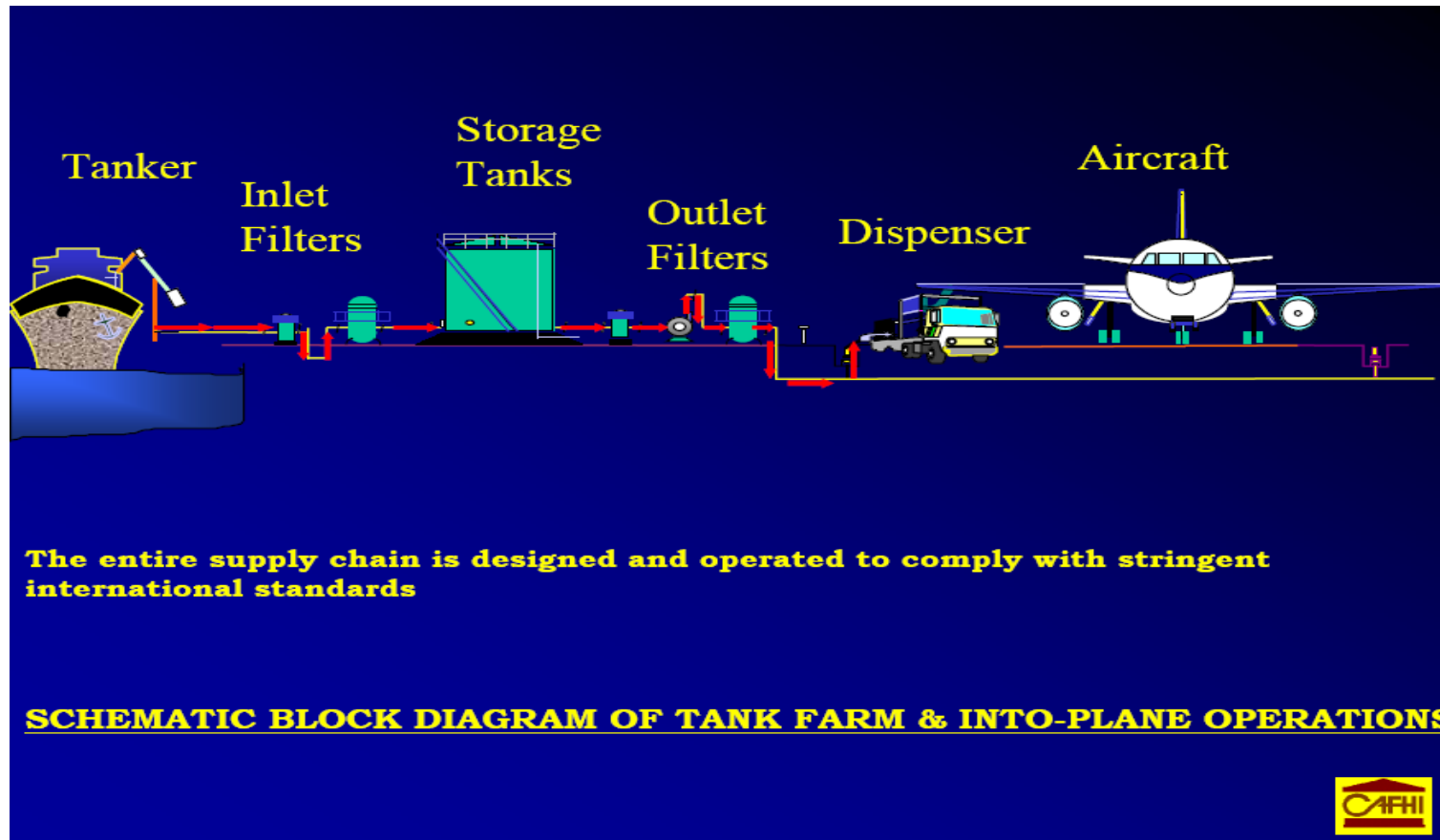
Customers & Strategic Partners

- Oil suppliers & into-plane companies
- Aviation fuel distributors
- United Nations Peacekeeping missions
- ICAO – Aviation Fuel Safety Expert
- IATA – Fuel Consultant and Instructor for Aviation Fuel Management Courses
- Airlines
- Airports

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360° Technical Support

Fuel quality throughout the supply chain





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INFRASTRUCTURE

- Feasibility study
- Design review of new fuel facilities
- Upgrading of fuel infrastructure
- Gap Analysis:
 - Assess compliance with industry standards
 - Benchmark against recommended industry best-practice
- Develop Corrective Action Plan
- Equipment evaluation



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FUEL TANK FARM

- Tank Farm Design
- Standards : API/EI, JIG, NFPA 407, NFPA 30, EPA etc.
- Corrosion protection: Impressed current or sacrificial anode
- Leak detection system
- Fire fighting equipment
- Environmental protection
- Quality Control procedures
- Testing & Commissioning procedures
- Maintenance and Inspection
- Audits - IATA,ASTM, ATA 103, JIG standards



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FUELLING EQUIPMENT

- Equipment Specifications
- Sourcing/Procurement
- Bid Analysis & Evaluation
- Commissioning
- Meter proofing & calibration
- Quality control test equipment
- Maintenance checks
- Safety features



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MANUALS

- Operations Manual
- Quality Control Manual
- Aircraft Data Guide
- Into-Plane Fuelling Manual
- Emergency Response Manual
- Environmental Protection Manual
- Hazard and Operability study
- Risk and Consequence Analysis



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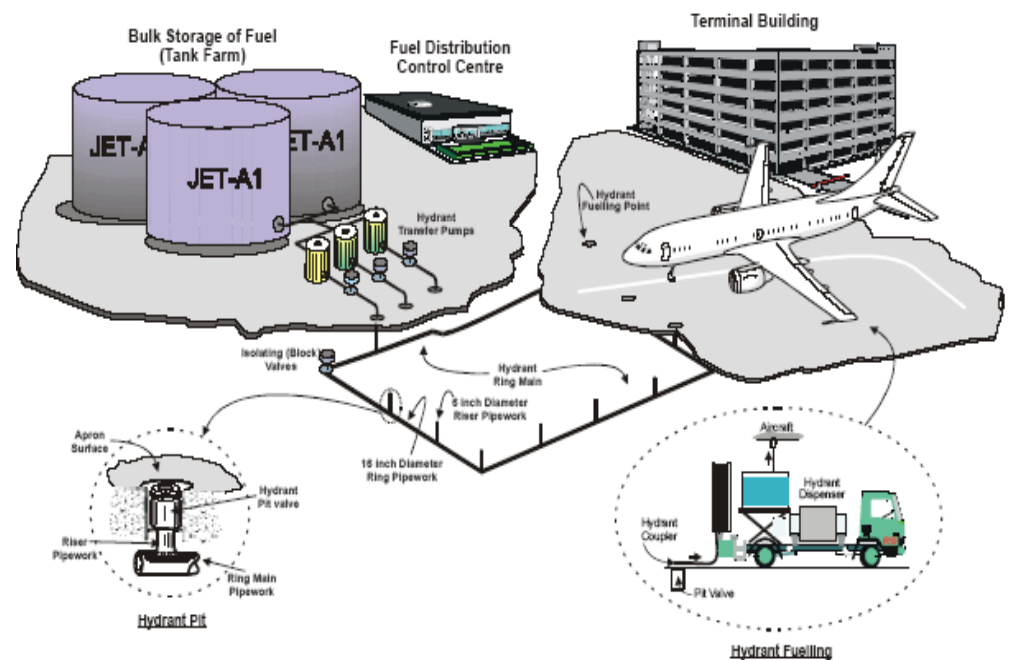


TRAINING & CERTIFICATION

- Training Needs and Competency Analysis (TNA)
- Management and Supervisory training
 - Tank farm management
 - Airport fuel handling
 - Documentation
- Fuelling Operatives – Skills training in operations, safety and quality control
- Auditor Training
- Refresher Training

AUDITS & Closure of Findings

- ❑ Perform Gap analysis of existing facilities
- ❑ Develop Corrective Action Plan (CAP)
- ❑ Facilitate closure of Findings
- ❑ Perform Audits of fuel facilities as part of the yearly audit schedule
- ❑ Develop internal Audit system with Audit Checklist as part of Quality Assurance Program





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AIRPORT OPERATIONS

- Negotiation and management of Joint Venture operations
- Liability limits and Indemnification arrangement - Tarbox principles
- Automation in fuel handling
- Equipment planning
- Fuel dispatch office: Planning and supervision
- Training and certification of drivers/fuelling operatives
- Fuel contamination investigation
- Laboratory testing of fuel



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QUARTERLY BULLETINS

- New standards and recommended practices
- Advisories on aviation fuel quality, safety & environmental issues
- Updates from fuelling equipment and filter manufacturers
- Review of aircraft incidents/accidents involving fuel quality
- Industry trends
- Highlights from industry aviation fuel forums



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