

Integral Engineering Key Personnel



Kam Soltani, MSc, PEng
Senior Structural Engineer
Principal



Kam Soltani, a B.Sc. and M.Sc. (1985) in Structural Engineering, has been doing engineering work worldwide for the last 30 years.

He holds professional designations from the Association of Professional Engineers of British Columbia, Alberta and the Yukon.

His area of expertise includes design and construction of heavy industrial, highway structures and commercial buildings with reinforced concrete, steel and timber in seismic regions.

He strongly believes in giving back to society. During his career, he has been instructor of concrete technology in university and has published three books on reinforced concrete design and construction.

Professional development is paramount to Kam and he regularly attends educational courses in Canada and United States and during recent times, he has been granted the certificate for the following courses:

- Bridge Condition Inspection Training – Washington State Department of Transportation & Federal Highway Administration (FHWA).
- Seismic Assessment of Schools in B.C. – APEGBC, B.C.
- Seismic Upgrade of GVRD Reservoirs and Pump Stations - APEGBC, B.C .
- Computer Aided Project Management – MS Project, Act E, Ontario
- Cost of Quality – QMI, Ontario

In recent years he has been completing numerous construction engineering and bridge design and water retaining structures as well as civil structures projects in Alberta & British Columbia and the Yukon.

Summary of his work experience follows;

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Integral Engineering Inc., 2007-Now Principal

1. Bridge Construction Engineering/ Quality Management / Overload Review.

- a. Riverside Bridge in Duncan, BC
- b. CN rail overpass in Smithers, BC
- c. Cayoosh Creek Bridge in Lillooet, BC
- d. Ingram Bridge in Midway, BC
- e. Boulder Creek Bridge in Lillooet, BC
- f. Queensway Creek Bridge in Terrace, BC
- g. Tyson Creek Power Plant in Gibson, BC
- h. Answer Gr. Bridge near Victoria, BC
- i. Nordenskiold Bridge in Carmacks, YK
- j. Little Fork Bridge near Victoria, BC
- k. Robertson River Bridge near Victoria, BC
- l. Kakisa River Bridge in North West Territory
- m. Wood River Bridge in Glentworth, Saskatchewan
- n. Bisette Creek Bridge in Pouce Coupe, BC
- o. Darrel Bay Ferry Terminal in Squamish, BC
- p. Trans Canada Highway 1, three bridges in Banff, AB

2. Bridge Routine and Detailed Inspection

- a. Golden Ears Highway, Langley BC.
- b. Kicking Horse Pass Concession, Golden BC

3. Infrastructure

- a. Water Treatment Plant in Laydysmith, BC
- b. Waste Water Treatment Plant in Laydysmith, BC.
- c. Selkirk Pump Station in Whitehorse, YK
- d. Water Intake in Duncan, BC
- e. Generator Foundations in Duncan, BC
- f. Rithel Water Reservoir in Saanich, BC
- g. Richmond River Road Pump Station in Richmond, BC
- h. Porter Creek Water Tank in Whitehorse, Yukon

Allnorth Consultants Limited, 2005-2007

Senior Structural Engineer, Project Manager

1. Building Inspection/Certification/Report.

- a. Canfor pulp mill inspection and extensive repair (\$500,000 annual) design,
- b. 12 story Delta Hotel in Richmond, Elephant & Castle Pub Inspection/Damage/Repair Report in Richmond, on Shopping Mall in Houston BC.



2. Industrial Building.

- a. Canfor platforms,
- b. Maple Leaf Construction Mechanical Shop in Prince George.
- c. Soya Bean Silo Foundations, Santiago Cuba

3. Bridge Construction Engineering/ Quality Management / Overload Review.

- a. Serpentine River in Surrey, BC
- b. Birch Island in Clear Water, BC
- c. Greenville Creek in Terrace, BC
- d. Andigwaali Bridge in Terrace, BC
- e. Waskahigan (Alberta),
- f. Bow River (Alberta),
- g. Little Smoky (Alberta),
- h. Donjeck (Yukon).
- i. Duke Energy Chetwynd Pipeline Overpass Construction Engineering.

4. Bridge Structural design/Overload assessment

- a. Ladore Dam Maintenance Bridge for heavy Cranes in Nanaimo, BC,
- b. Bridge overload assessment of SYD Road bridges in BC including Fort Nelson River bridge with more than 400 meters length
- c. Bridge overload assessment for Ministry of Forests and Range, BC
- d. Bridge overload assessment for Ministry of Forests and Range, BC

M. Milligan & Associates Ltd., 2001-2005

Senior Engineer

1. Industrial/Commercial

- a. City Furniture
- b. Sterling Crane
- c. Weyerhaeuser Pulp Mill

2. Infrastructure

- a. Water Reservoir & treatment Building, Saratoga, BC &
- b. Waste water treatment reservoirs, Golden, BC
- c. Hudson's Hope Fire Hall

3. Bridge Structural design/Overload assessment

- a. Pedestrian Bridge near Clear Water, BC
- b. Fishtrap Creek Bridge near Kamloops, BC

Integral Engineering Key Personnel



Iran, 1982-2000

Junior/intermediate/Senior Engineer – Design Build

1. Industrial Buildings.

- a. Machine shops and plants up to 1000,000 square feet area, textile factories, Reinforced Concrete water reservoirs (12000 m3)
- b. Cement plants

Iran, 1985-1988

University Instructor/ Deputy of Laboratory of Testing & Materials

1. Instructor

- a. Concrete Technology, Reinforced Concrete Design

2. Deputy of Laboratory of Testing & Materials

- a. Test & Research on Steel and Concrete.

3. Author

Construction of steel & concrete structures, Concrete formwork design, Site management