



DEAN C. CHAN, P.ENG.

CONSTRUCTION ENGINEER

10045 85 AVENUE, EDMONTON, AB 780-554-3076

SUMMARY

With over 20 years of experience in construction engineering (crane work, fall protection, methods, and safety), mentoring, and instruction, I have the tools to solve most challenging of problems.

ACCOMPLISHMENTS

Notable projects:

- PCL Module Lifting Frame
- Hydrotest Safety Stop
- Rossdale Power Plant Preservation
- CNRL Coker Fire Rebuild

SKILLS

| | |
|--------------------|--------|
| Problem solving | ■■■■■ |
| Project Management | ■■■□□ |
| Learning | ■■■■■ |
| Leadership | ■■■□□ |
| Safety | ■■■■■ |
| Networking | ■■■■■□ |

EXPERIENCE

SENIOR ENGINEER/PARTNER • BOREAL SERVICES GROUP • 2014—PRESENT

Responsible for marketing, and engineering at Boreal Services Group. I've developed an understanding or the needs of unionized and non-union clients, as well as the ability to deal with ambiguity, and multiple projects. Projects of note include Enbridge Kerrobert pipe pullback where we accommodated a late change by the client and kept the project on schedule; Rossdale Power Plant preservation where we designed a shoring arrangement to allow our client to operate a mobile crane on a 50-year-old suspended slab, greatly accelerating the schedule.

SENIOR CONSTRUCTION ENGINEER • PCL • 1998—2014

Helped grow the PCL Industrial engineering department from 2 to 9 staff, and was particularly interested in professional development of the staff. Awards for the design of a hydrotest safety device, and part of the design team for the award-winning PCL Engineered Module Lifting Frame.

PROJECT MANAGER • SURETY MANUFACTURING & TESTING • 1997—1998

I managed the estimating, design, installation and the turnover of custom fall protection systems for clients in Canada and the US. I initiated a project to develop a fall protection system for New York's historic Grand Central Station.

SALES REPRESENTATIVE • CARSEN GROUP • 1995—1997

Sold industrial endoscopic inspection equipment for Markham based Carsen Group (now Olympus Canada). Particularly challenging was selling the concept of remote visual inspection, as it was still relatively new to the industrial world in the 90s.



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INTERESTS

Education, Engineering, Reading & Libraries, Construction, Safety, Public Speaking

REFERENCES

MOHAMED AL-HUSSEIN

Professor, University of Alberta

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BRADLEY LEONARD

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JEFF BUCCI

Superintendent, Graham Construction

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EDUCATION

ENGINEERING MANAGEMENT • 2011 • UNIVERSITY OF ALBERTA

I took several graduate level classes in Construction Engineering and Engineering Management to further develop my skills. Favourite classes: Decision Support Systems, Management System Standards, Personality Theory for Engineers

B.SC. MECHANICAL ENGINEERING • 1995 • UNIVERSITY OF ALBERTA

Activities: U of A Kung Fu, U of A Rugby, Heavy Lift Vehicle Club

Favourite classes: Energy Conversion, Design Methodology

VOLUNTEER EXPERIENCE

GUEST LECTURER • UNIVERSITY OF ALBERTA • 2012-2018

Delivered a lecture on cranes & rigging to a selection of CIVE 409 and CIVE 608 classes since 2012.

PAST MEMBER • APEGA COMMUNICATIONS COMMITTEE • 2010-2012

The communications committee was responsible for the publication of The PEG newsletter, the APEGA website, and corporate branding. APEGA underwent a rebranding during my time on the committee.

PAST CHAIR • APEGA STUDENT LIAISON COMMITTEE • 2008-2010

Worked with the Engineering Students Society at University of Alberta, to lend APEGA assistance where needed, including helping the students facilitate effective meetings.



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