

# Expanding Engineering at UNBC

WB McGill, UNBC  
Presentation to NTES  
AGM 17 Nov 2010

# The Main Message

Dr. Mark Dale, Provost,  
UNBC

- ▶ We very much appreciate the support the community has shown for this initiative;
- ▶ We are prepared to expand Engineering and to get started quickly as soon as the financial resources are provided

# Advisory Council

- ▶ Ms. Ivy Chan, Materials Engineer, BC Oil & Gas Commission; Exec Ft St John Br APEGBC
- ▶ Ms. Emily Cheung, P Eng, DWB Consulting PG; APEGBC Council
- ▶ Dr. Steve Helle, P. Eng, Assistant Professor UNBC
- ▶ Mr. Jan Jonker, Dean, Trades & Technology , CNC; responsible for Engineering Technology
- ▶ Dr Albert Koehler P. Eng, President, Tribotec International Ltd, Pres NTES, Consul of the Federal Republic of Germany
- ▶ Mr. Tim McEwan President and CEO, Initiatives Prince George
- ▶ Mr. Duncan Miller P. Eng, Wolftek Industries Inc., Prince George
- ▶ Mr. Don Ramsay, District Manager, Min Trans'n & Infrastructure, Terrace
- ▶ Dr. Dan Ryan, Dean of Science & Management UNBC, Chair
- ▶ Dr. Jueyi Sui, P. Eng Associate Professor UNBC

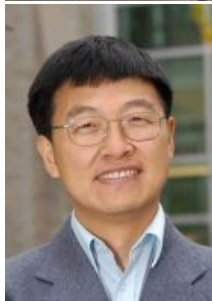
# Three Requirements

- ▶ University Approval
  - Senate + Board of Governors
- ▶ Ministry Approval
  - Funds + Curriculum
- ▶ CEAB Approval
  - Graduates + Site Visit & Review



# University – Curriculum Committee

- ▶ Dr. Belinda Larisch, Adjunct Professor UNBC
- ▶ Dr. Steve Helle, P. Eng, Assistant Prof UNBC
- ▶ Dr. Jueyi Sui, P. Eng Associate Prof UNBC
- ▶ Dr. Ron Thring, P. Eng Professor, UNBC
- ▶ Consulted within UNBC and with CNC
- ▶ Consulted Professional Engineering Community
- ▶ Guided by CEAB Requirements
- ▶ Guided by Engineering Advisory Council



# University Approval – Curriculum

- ▶ Curriculum drafted and started through Senate process for approval in principle of program and two majors: Civil and Mechanical  
Enrichment in Wood Structures, Geotechnical, Renewable Energy and Construction Management
- ▶ Designed to meet CEAB requirements
- ▶ Integrated laddering program with Engineering Technologist Diploma at CNC
- ▶ Northern focus
- ▶ Industry connection: internships and co-op

# Ministry Support





# Ministry Support – Steps

## Funding

- Capital: Equipped Labs, Classrooms, Offices
- Operations: Faculty, Staff, Library, Consumables

## DQAB

- Review & Post Curriculum for Comment
- Receive & Review Response to Comments

## Minister

- Formal Approval

# Ministry Support – Funding Progress

Dr. Mark Dale, Provost,  
UNBC

Resource needs  
estimated



Request presented  
to Ministry



Discussions with  
Ministry