

Exceed (Canada) Oilfield Equipment Inc.

Exceed (Canada) is a Canadian based oilfield equipment company, located in Calgary, Alberta. Exceed (Canada) established the office and facility in 2016 to expand our product lines and to provide fully integrated solutions. We provide a **full range of API certified well completion products**, and production and reservoir optimization solutions with **professional engineering and support**.

■ Key Products and Service

Our key products are listed below but not limited to:

- Vacuum insulated tubing and casing (VIT, VIC)
- Sand control screens
- Passive and pro-active inflow control devices (ICD)
- Sucker rods and PCP rods
- High thermal efficiency tubing and casing
- Conventional and thermal wellheads



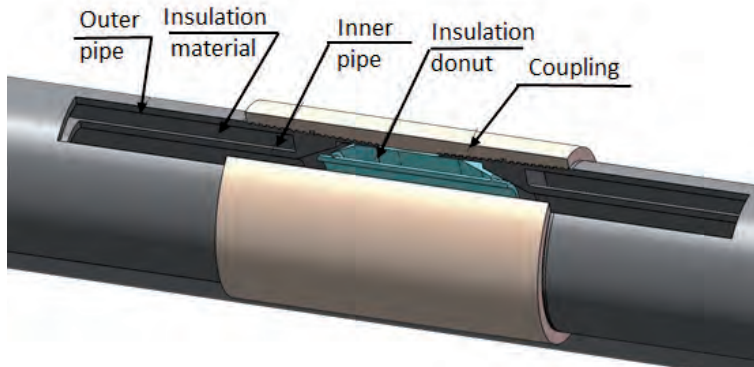
■ Vacuum Insulated Tubing Manufacturing Highlights

- **NS-1 (formerly Shell) Standard Certificates** on both facility and design
- API and ISO 9001 certified
- Manufactured based on Shell specifications
- 100% computer controlled manufacturing
- 100% online inspection
- 100% API compliance through consistent inspection and monitoring program
- 10+ granted patents on VIT innovation and connections

Exceed Vacuum Insulated Tubing

Vacuum insulated tubing (VIT) is tubing with excellent heat insulation performance. The Exceed VIT mill is audited and qualified under NS-1 (formerly Shell) inspections on both facility and design. We manufacture in accordance with the SY/T5324 Vacuum Insulated Tubing standard. It features:

- An enclosed-welded double-wall structure
- A pre-stressed inner tube fitted into an outer tube
- Evenly distributed getter in the annulus absorbs active gasses in the service life
- Precisely controlled bakeout process incorporated with continuous vacuuming
- Multiple layers of wrapped insulation barriers further reduce radiant heat transfer
- Nano-material insulation donuts placed in the connections eliminate the weak spots of heat loss and keep the consistent insulation grade of the entire VIT string



VIT reduces steam heat loss, maintains steam quality, helps prevent casing fatigue, and protects bonded casing cement. VIT is suitable for operating conditions with the fluid temperature below normal Max. 350°C and supercritical Max. 380°C:

- SAGD (Steam Assisted Gravity Drainage)
- CSS (Cyclic Steam Stimulation)
- Steam Flooding
- Offshore oil production
- Wells susceptible to paraffin deposits
- Wells in environmentally sensitive areas



By substantially reducing energy consumption and water usage, the CSS steaming cycles and SAGD start-up periods can be significantly shortened. Field testing has indicated the steaming periods can be reduced by more than half.



■ VIT Heat Insulation Grades

					Exceed VIT Insulation Grade
Rate	A	B	C	D	E
K Value W/(m·K)	0.06 – 0.08	0.04 – 0.06	0.02 – 0.04	0.006 – 0.02	0.002 – 0.006
K Value BTU/h·ft·°F	0.0346758 ~ 0.0462344	0.0231172 ~ 0.0346758	0.0115586 ~ 0.0231172	0.00346758 ~ 0.0115586	0.00115586 ~ 0.00346758
Note: Exceed VIT heat insulation grades are D and E categories.					

■ Exceed Key VIT Products

Sizes	Grade	Connection Type	Insulators	Thermal Conductivity	Normal Max. Temperature
3 ½" x 2 ¾"	J55, L80, N80Q	Outer or inner pipe coupled connection	Internal or External	D & E	350° C
4 ½" x 2 ¾"	J55, L80, N80Q	Outer or inner pipe coupled connection	Internal or External	D & E	350° C
4 ½" x 3 ½"	J55, L80, N80Q	Outer or inner pipe coupled connection	Internal or External	D & E	350° C
5" x 3 ½"	J55, L80, N80Q	Outer or inner pipe coupled connection	Internal or External	D & E	350° C
5 ½" x 4 ½"	J55, L80, N80Q	Outer or inner pipe coupled connection	Internal or External	D & E	350° C
7" x 5 ½"	J55, L80, N80Q	Outer or inner pipe coupled connection	Internal or External	D & E	350° C
8 ¾" x 7"	J55, L80, N80Q	Outer or inner pipe coupled connection	Internal or External	D & E	350° C
Notes: Customized design of steel grades and pipe sizes are available. Range 3 joints are available. We are able to provide API, semi-premium and premium connections. Supercritical VIT is also available for Max. operating temperature of 380° C.					



2016

Established Canadian subsidiary and facility for comprehensive well completion products




2015

Opened 2nd facility w/ 60+ million ft capacity; Total 150+ million ft capacity per year



2012

Established USA subsidiary  **EXCEED**
OILFIELD EQUIPMENT



2007

Opened new facility w/ 90 million ft capacity; captured 60+% Chinese market; 1st automated forging machine in China



1994

Focused on sucker rod manufacturing



1984

Nine-Ring established

