

# UNIVERSITY OF WATERLOO CLEAN SNOWMOBILE TEAM

## CSC 2010



# CHASSIS

- ◎ 2005 Ski-Doo MXZ
  - light weight 2 stroke chassis



# ENGINE

- 2006 Yamaha 973CC (120 Genesis)
  - 4 stroke
  - Originally carbureted (converted to fuel injection)
  - 120HP Stock
  - 11.7:1 compression ratio



# RESULT : YAMA-DOO

- Light weight chassis with a large displacement 4 stroke engine

# OPERATOR PERSPECTIVE

- Large 4 stroke engine in light weight chassis
- Fuel injected efficiency
- Versatile 136" track
- External cooling (air to water radiator)
- Large starting capacity for cold weather
- Lower noise and emissions
- Hand/thumb warmers, large visor
- Aesthetically pleasing GlowShift gauge clusters

# Outfitter/Dealer Perspective

- ⦿ Easily operable
  - Standard controls
- ⦿ Durable Materials
  - Stainless steel
  - Carbon fiber
- ⦿ Comfortable seat, and rider position to accommodate longer rides

# Environment Perspective

- 4 stroke engine
- Fuel injected
- High compression ratio (11.7:1)
- Flex fuel
- Catalytic converter to reduce emissions
- Custom muffler system
- Sound dampening under hood and panels



# Thank-you



# Questions?