



How has Technology Changed the Industry?





What We Do

What We Do

In The Beginning:



What We Do



Service, Support, Remanufacture

What We Do



Service, Support, Remanufacture:



What We Do

Manufacturing Logging Equipment:



What We Do

Manufacturing Logging Equipment:



What We Do



Hydroelectric & Infrastructure:

Where:

Business In:

- USA
- New Zealand
- Canada



Technology:

- Tooling
- Software
- Components
- People!



Tooling



Tooling

The Good:

- Bigger
- Faster
- More Accurate
- More Capable
- Mix of Skill Levels
(Machinist, Loader)



Tooling

The Good:

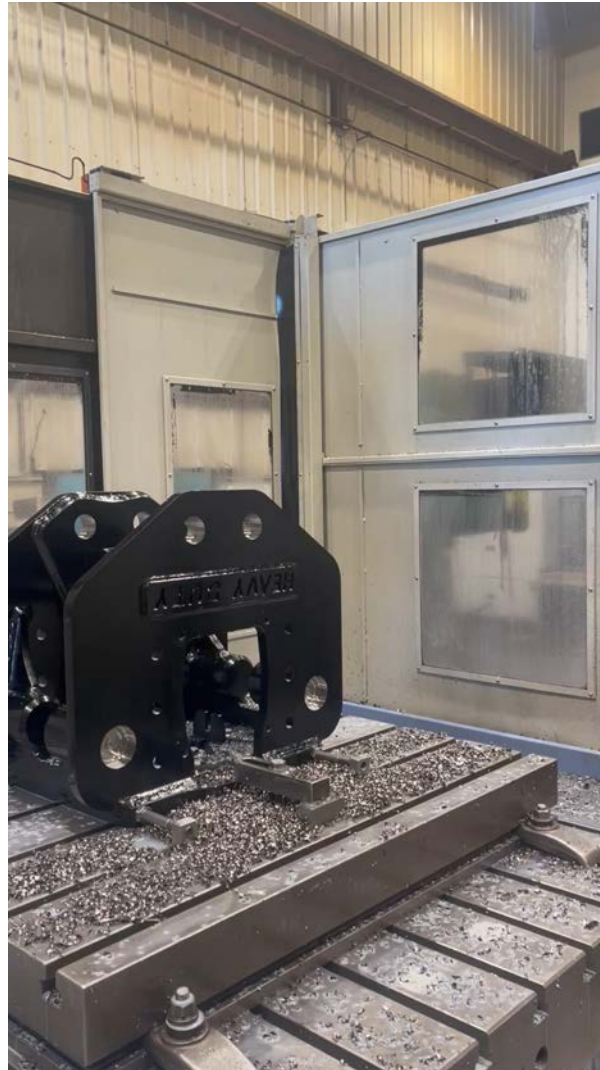
- Bigger
- Faster
- More Accurate
- More Capable
- Mix of Skill Levels
(Machinist, Loader)

However:

- Requires Skilled
Machine Programmer



CNC Horizontal Boring
Mill Machining an HD
Grapple Midsection







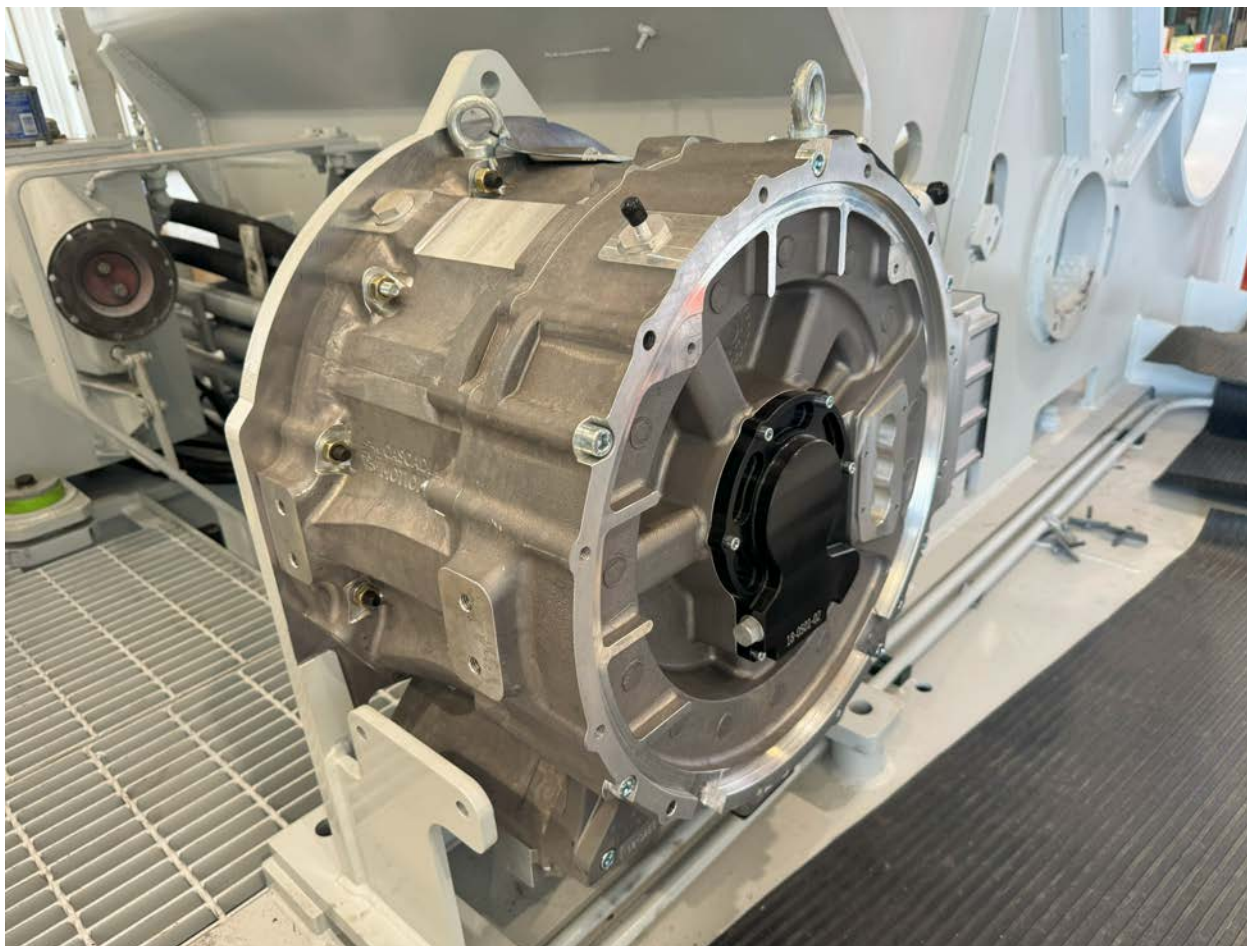


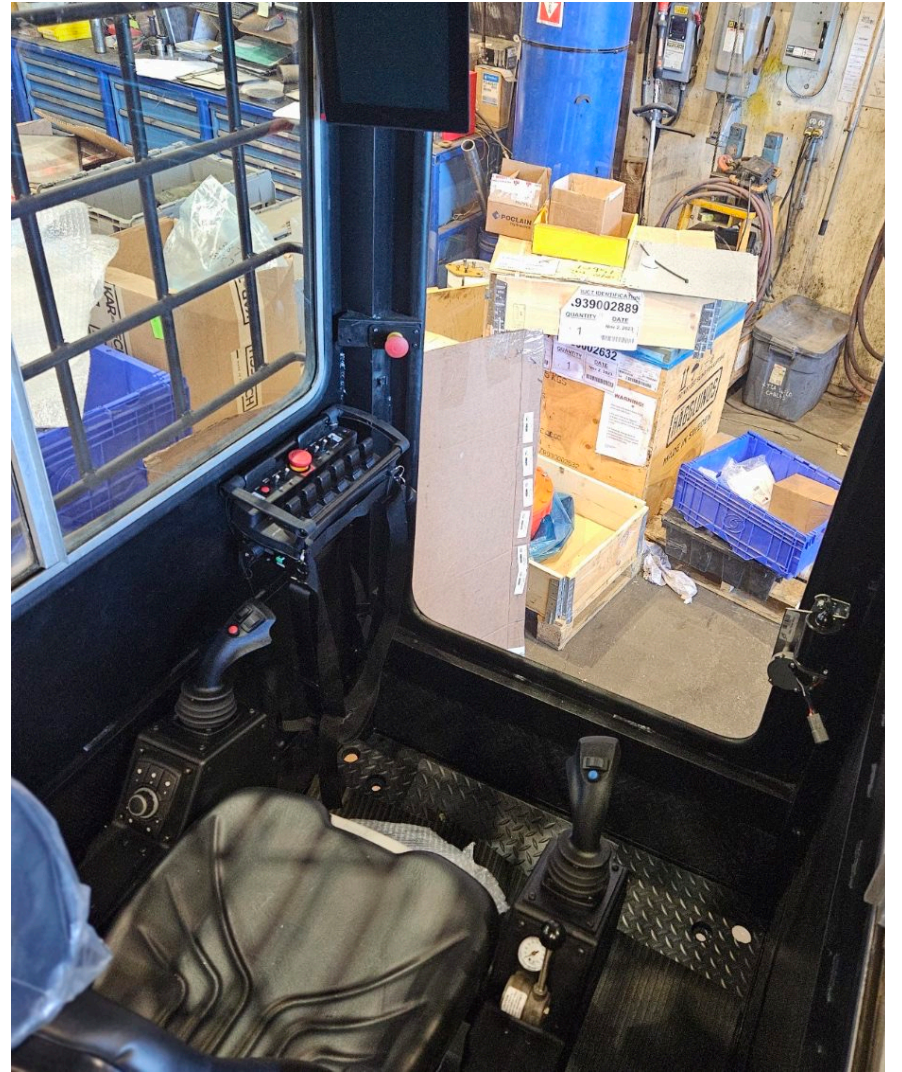


Components:

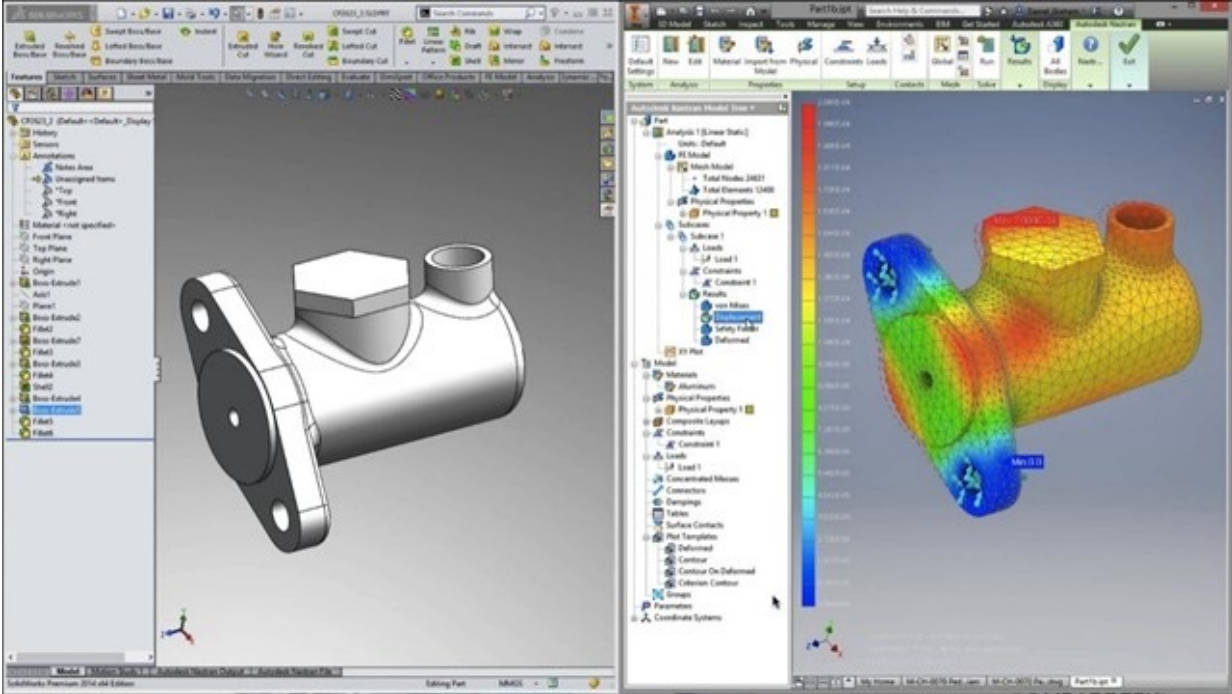


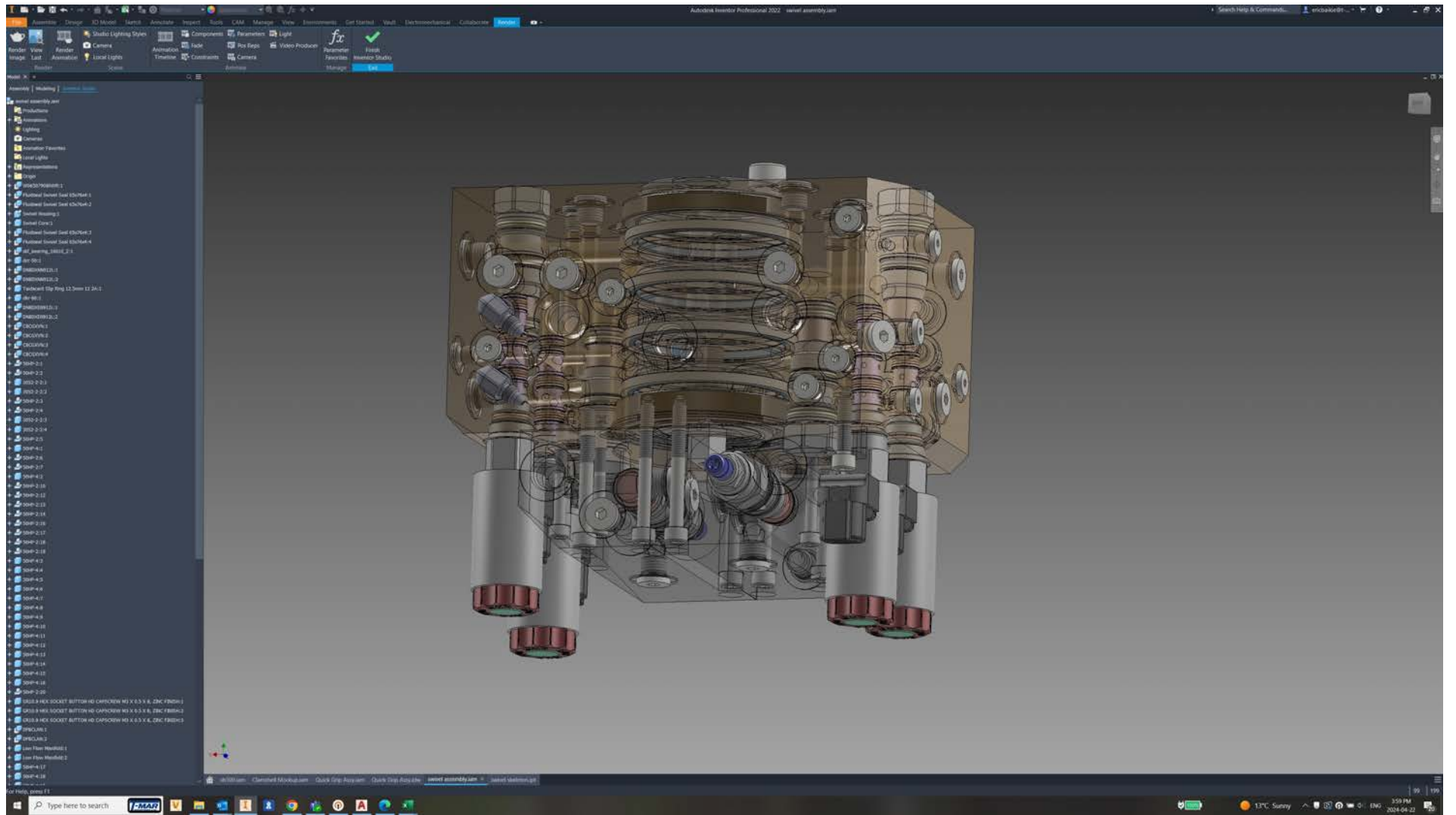






Software:





People!

**Unskilled
Labour**

**Knowledge
Worker**



- Manual Labour
- Summer Kid

Skilled Trades



- Engineer
- Programmer

Technology Makes Our Operation:

- More Capable
- More Efficient
- More Consistent



Great! So..

**How Can Our
Customers Benefit?**



We Have Pushed the Limits of Existing Powertrain

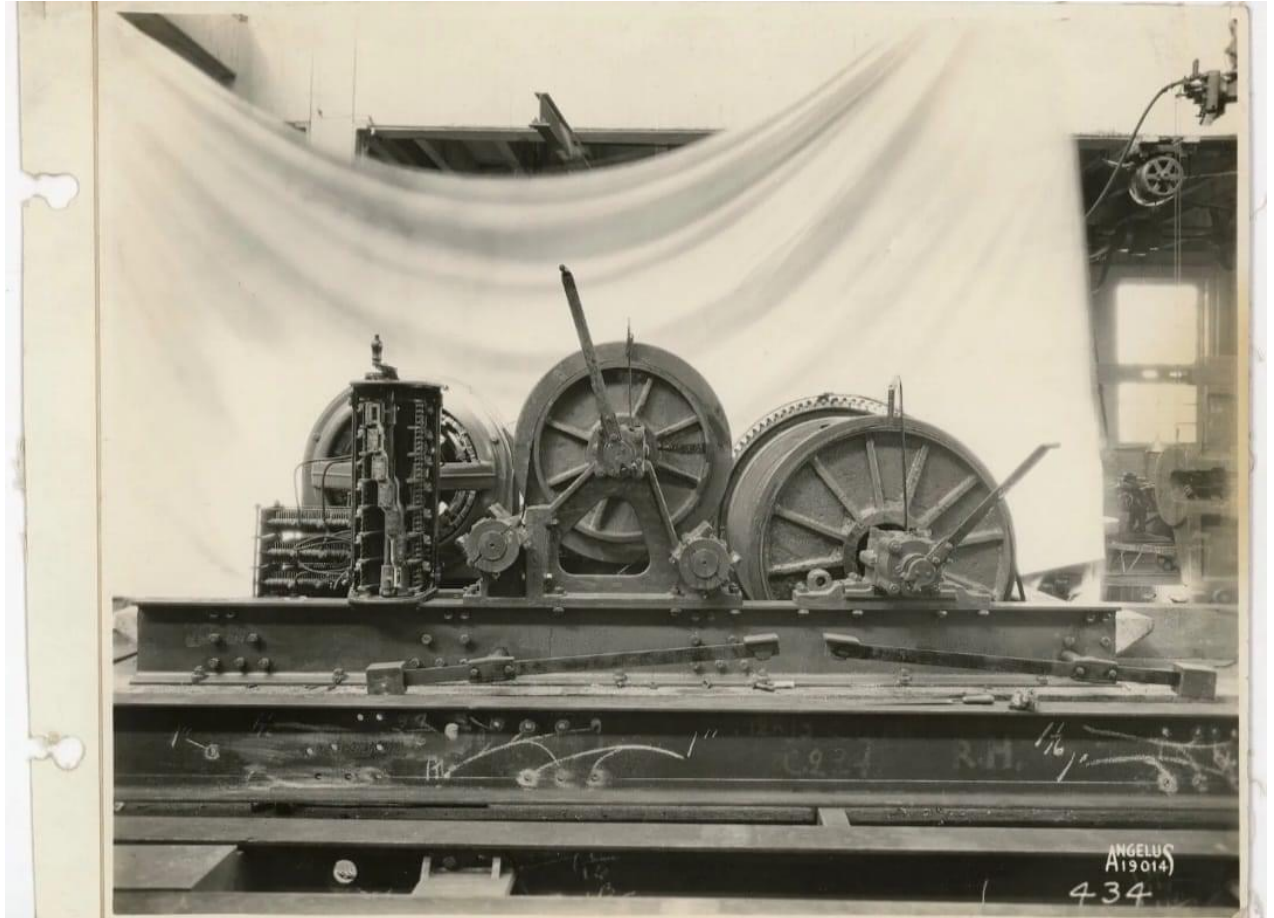
- **Difficult Ground**
- **Performance**
 - **Speed**
 - **Power**
- **Reliability**



Where Do We Go From Here?

What
About...

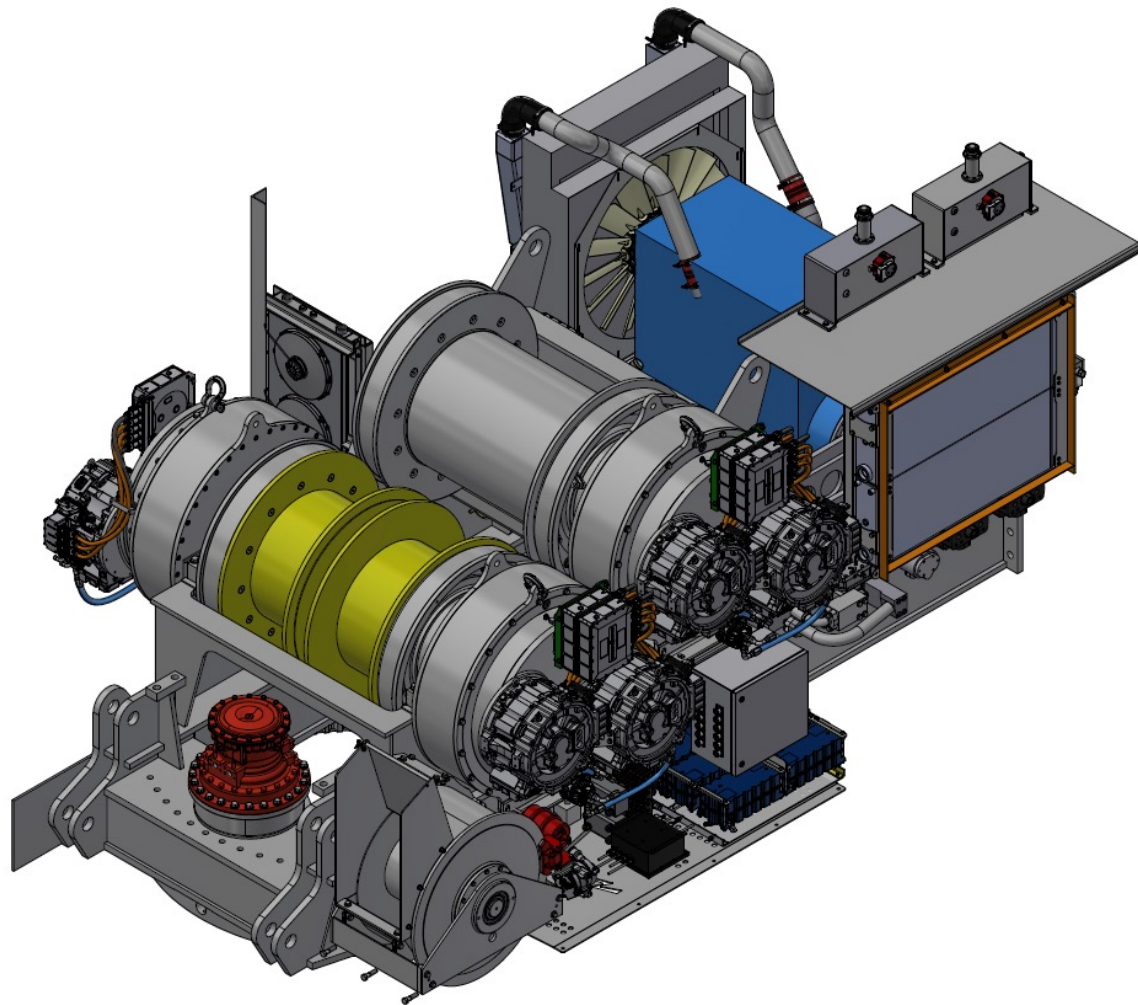
Electric.



But Why Electric?

- More Power
- Better Control
- Lower Maintenance
- Less Fuel
- We're Done with Tacky Lube





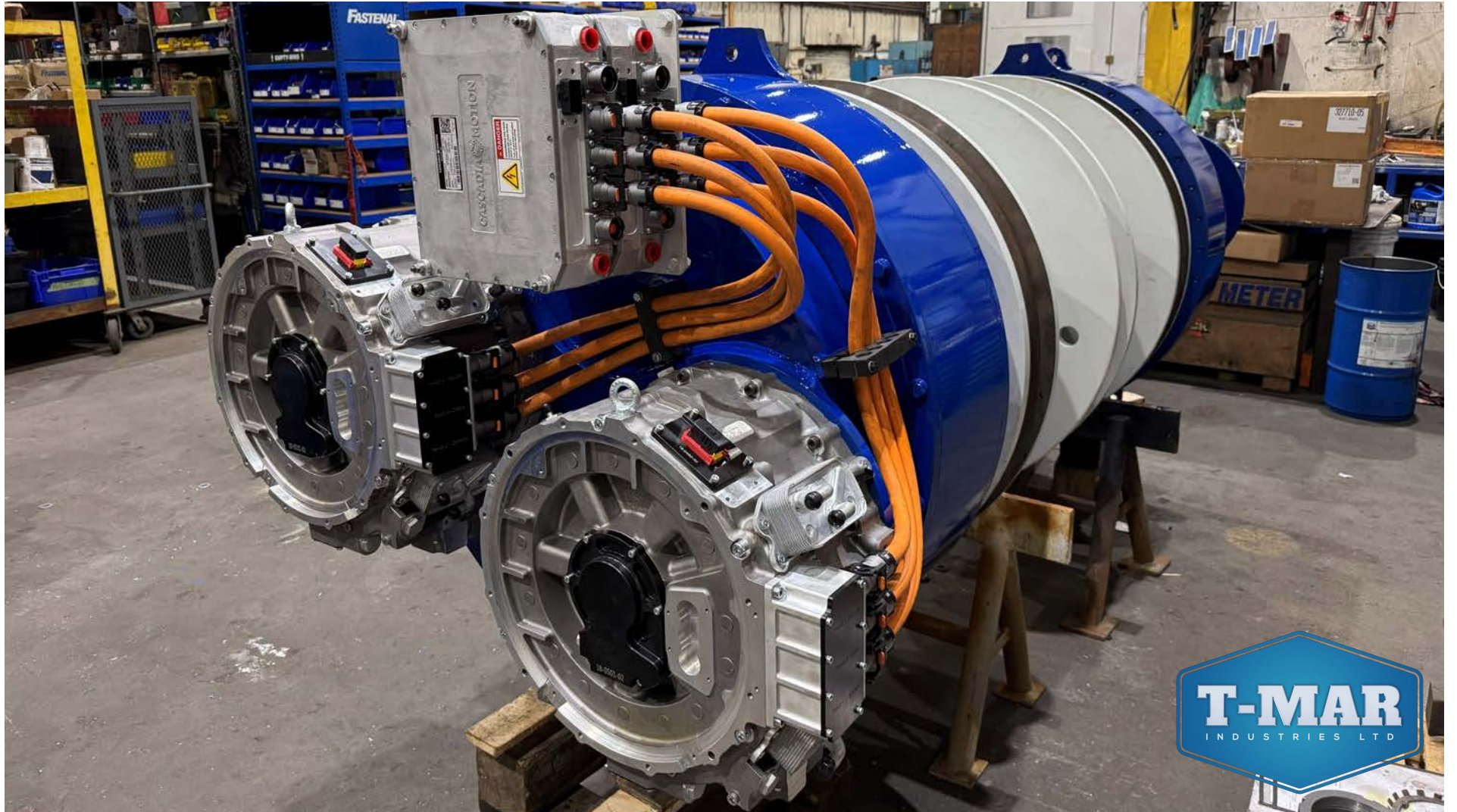


Develop New Drives





T-MAR
INDUSTRIES LTD





- 1140hp (780 cont)
- 127,000 ft/lbs





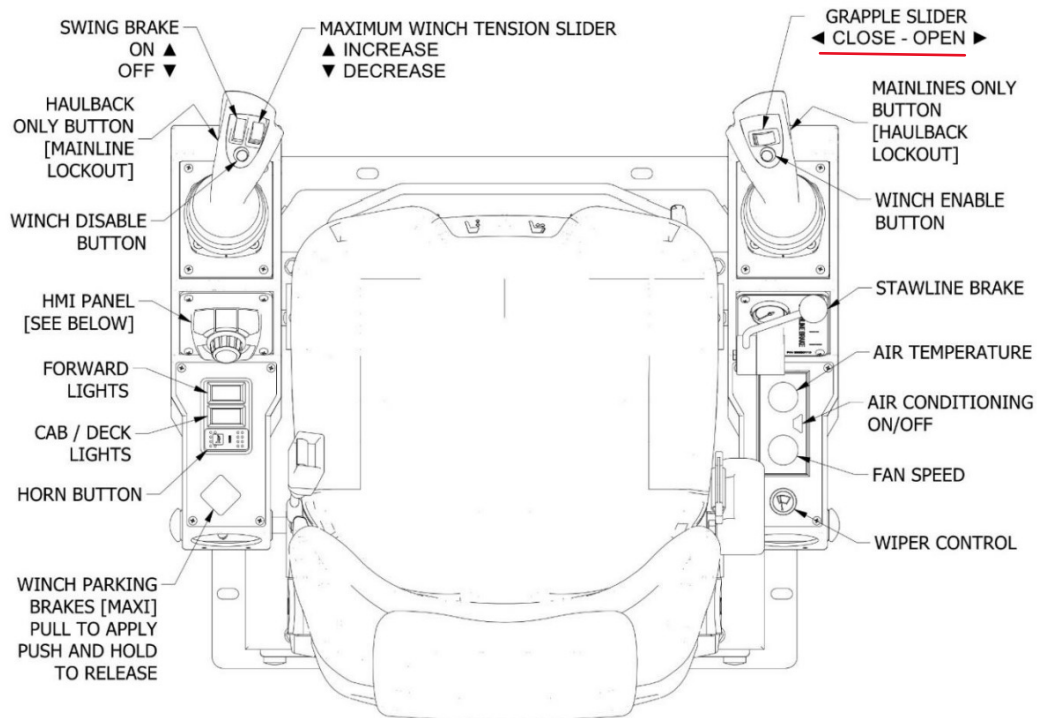
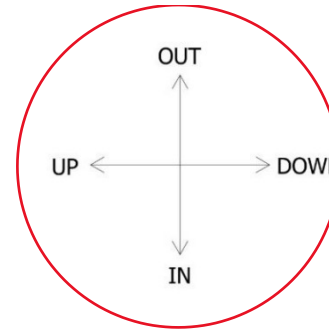
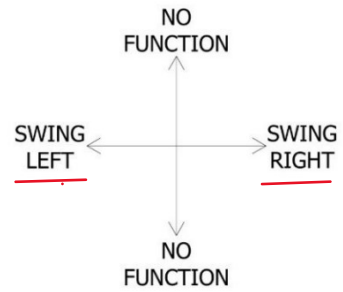


What's Missing?

- Open Gears
- Clutches
- Brakes
- Swivels
- Air
- Transmissions









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Trying it out







Really
Trying it out







What's
Next?

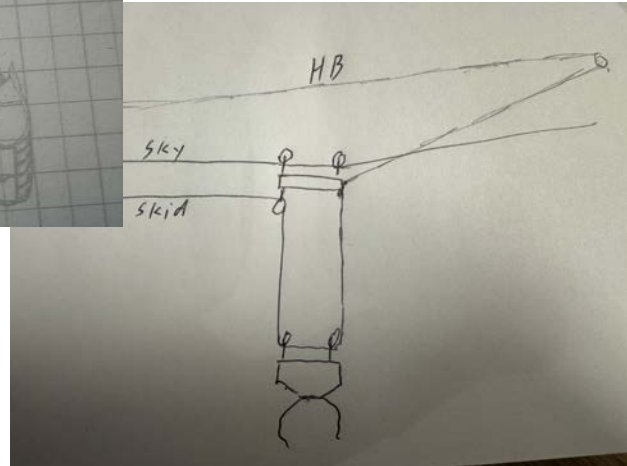
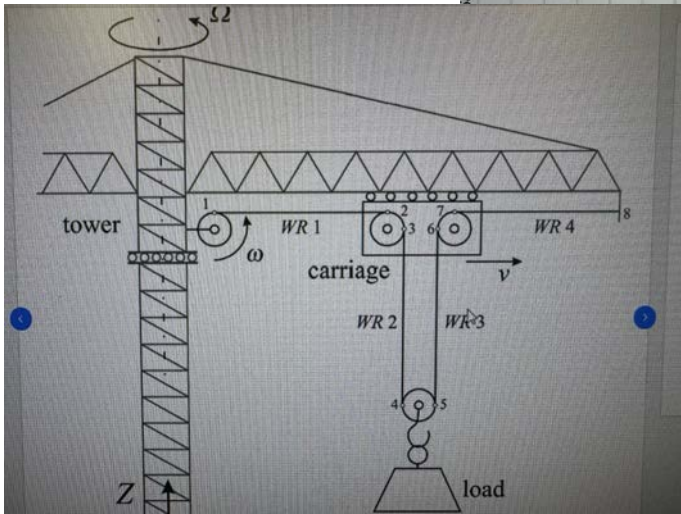
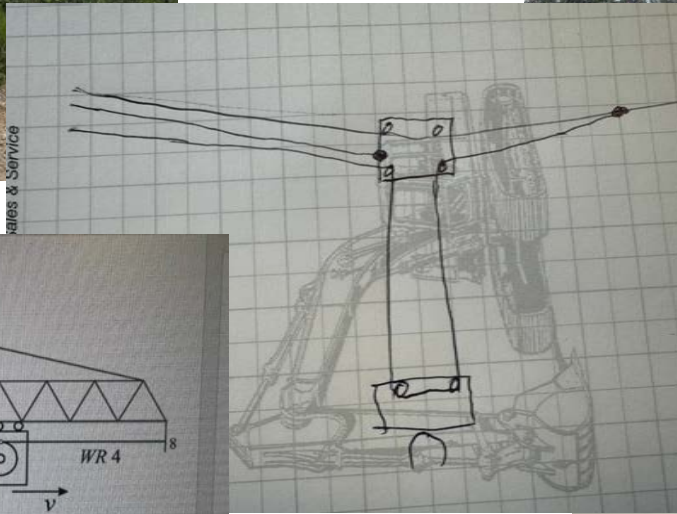




600e Platform

- Commonality Between 650 Interlock and 625/680 Skyline Machines
- 125,000-145,000 lbs
- 55'-65' Tower Options







**Design the Best
Build the Best
For the Best**