























- Limits the amount of data required to stream. Lending itself to better data integrity.
- Potentially use Fibre for communication
  - Light weight (50-60m length)
  - Unlikely we will hit bandwidth issues.
- Motors.
  - more power.

- Encoders

- Due to last minute component failure, DC motors had to be included in this prototype which had no encoders and therefore the robot had no position feedback and control.
- Auto distancing of the robot from side of pallet.
  - A nice to have feature would be the ability to auto distance the robot from the pallet stringer.
  - Or a measurement of how far the robot is from the stringer to better position the robot along the pallet to help with navigation in narrow spaces.

### Technical Learning for Top of Drums robot

- Wifi control – as discussed above.
- 3D mapping using Velodine or Slow revo
- Angel fish attachment for camera and LIDAR
  - This will enable us to see down between the barrels.
  - It will also mean the robot can avoid the outer edge of drums to ensure it won't cause a drum to topple.
- IMU on board (GM3)

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