UAV at Alberta Pacific Forest Industries

Inventory Tracking

- Requirement to perform quarterly Fibre Inventory Surveys
- Current Survey Process is Ground Survey method
- Ground Survey is accurate but infringes on plant operations
- Ground survey is lengthy, 2-3 days to measure all fibre on site
UAV a Possible Alternative Option??

- Approached by AERIUM Analytics in 2015
- Have since worked with them on a trial basis developing conversion data
- Comparisons to ground survey results>>>results do show a strong similarity
- Very happy with results to date

Benefits of UAV

- Although survey results are very comparable to ground survey the methodology justifies a change from ground to Aerial
- Survey time is much faster- 2-4 hours for all the fibre on site
- Does not infringe on plant operations
- Data exchange is timely and simple to decipher
Challenges To Date

- Weather: Extreme Cold, Wind, Precipitation and Fog causing delays to the surveys
- Consistency in measurements to trial decks affecting conversion number data
Conclusion

- Al-Pac moving from ground survey method to UAV in the third quarter of 2019 (Millsite and Remote Yards)
- Looking at possible options in the future
  - 1) Crane Inspections
  - 2) Site Drainage

Questions??