

Outline

- Company overview
- What is a remote scale
- Why remote scales?
- Government requirements
- Pioneer in remote scale reporting
- Setting up a remote scale
- Advantages
- Computer setup
- Operation and troubleshooting

Company Overview



Millar Western

- Privately held business with more than 100 years of history and experience
- Largest Alberta-based forest products company
- Producer of lumber, pulp, bioenergy and specialty wood products at facilities in Whitecourt, Fox Creek and Acheson
- Skilled, dedicated workforce of 680; hundreds more employed on a contract basis in various areas, including harvesting, hauling and reforestation
- Conduct our business in accordance with our values of safety, integrity, honesty, trust and respect
- Family-oriented culture that encourages innovation and collaboration
- Strong commitment to investing in our people, forests, facilities and communities



What Is A Remote Scale?



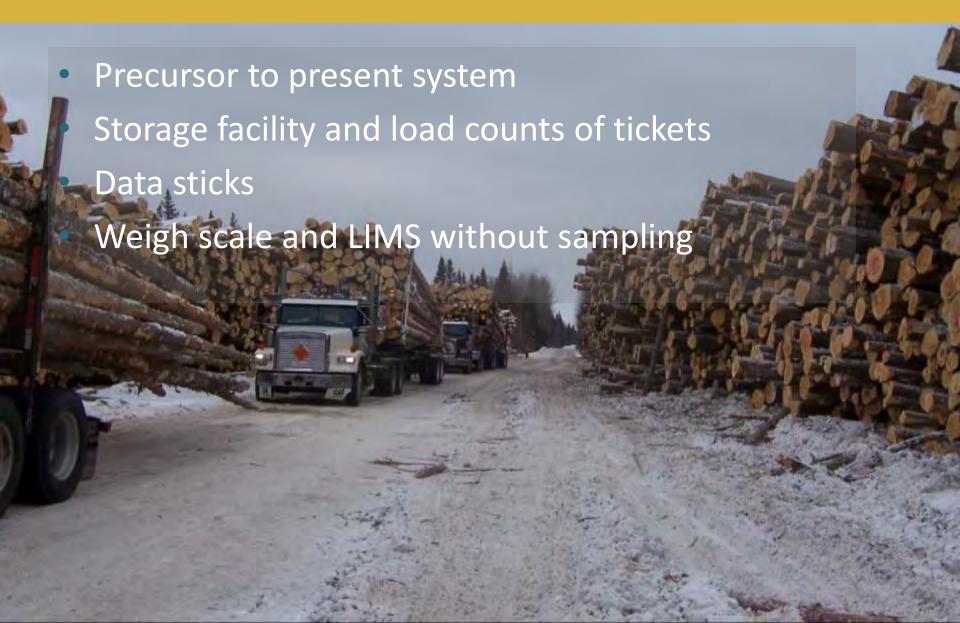
Why Remote Scales?



Government Requirements



Pioneer in Remote Scale Reporting



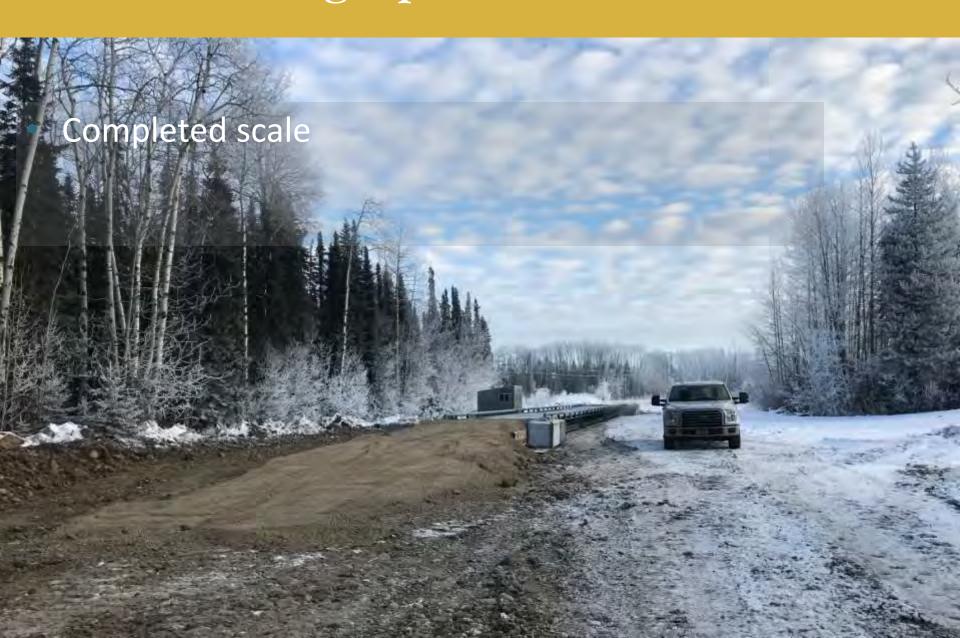
Remote Scale Set-up



Remote Scale Set-up



Setting Up a Remote Scale



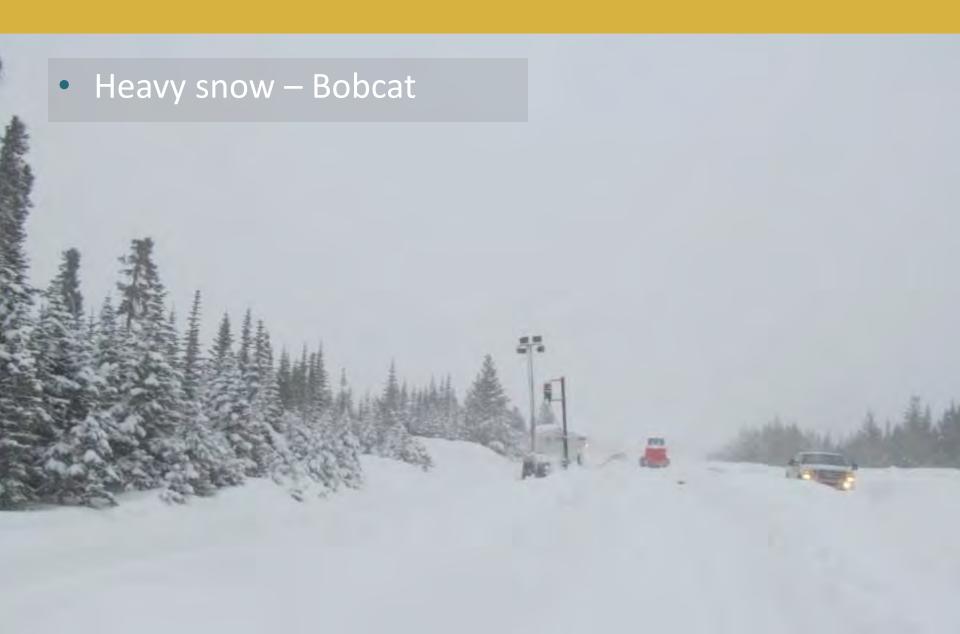
Remote Scale Operation



Scale Maintenance



Scale Maintenance



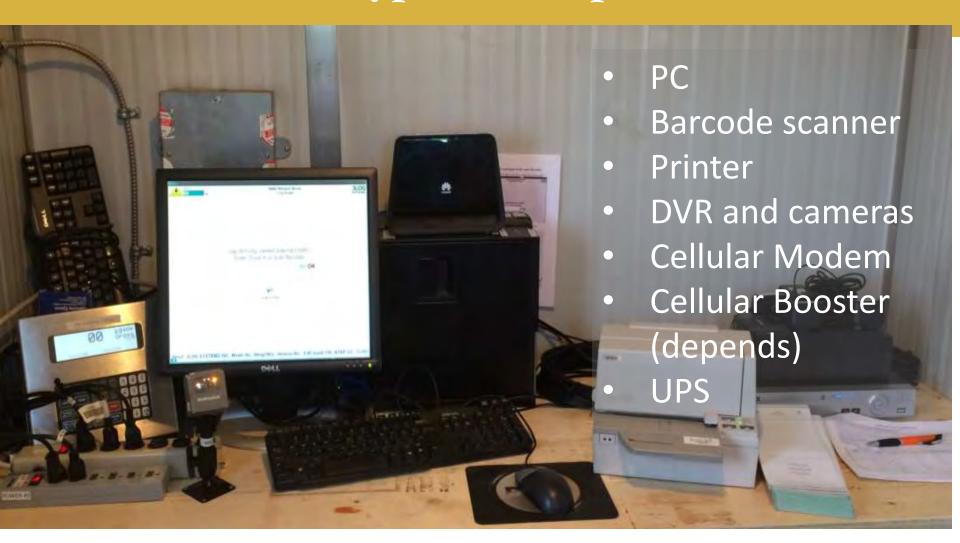
Advantages of Remote Scales



Remote Scales



Typical Setup



Load Ticket Generation

LoaderWiz produces trip ticket at the loader



Basic Premise of our Weigh Scale Software

- Loaded truck is weighed
- Unload the logs
- Empty truck is weighed. Net weight calculated
- Base data set up in LIMS
- Scale does not need LIMS connectivity to weigh trucks
- All data is chosen from drop down lists or scanned from bar codes
- 4000 loads across 3 different scales since Jan 1
- 12 wonky loads discovered from HO (0.3%)
- What could go wrong?

History in How We Transfer Data

- Base data (LIMS to Scale) and load data (Scale to LIMS)
- 1) Memory stick and run scripts physical visit to scale
- 2) Cellular modem on a stick
- 3) High quality cellular modem
- Load data is available minutes after truck weighed

Tools to Help When Things Don't go Smooth

- Keystroke log shows keys pressed, barcodes scanned, buttons clicked on
- Details of weight on scale regardless of what driver is doing
- 3 cameras (2 outside, 1 inside) with playback ability (residential quality)

Keystroke Log

| Ws LoadID | Ws Ticket | SourceID | In | Out | TruckID | Gross | Tare | Net |
|-----------|------------|--------------|-------|-------|------------|-------|-------|-------|
| 2500 | MW00379026 | 101-1869-ANC | 9:35 | 9:52 | WBLL574641 | 75190 | 69960 | 5230 |
| 2503 | MW00379027 | 101-1869-ANC | 10:12 | 11:09 | WBLL560677 | 69960 | 21100 | 48860 |

| 9:35 | Barcode scanned: START_TM9[54.10828[-117.13471[[031618[0814[MW00379026[LMW[[101-1869-ANC[|
|------|---|
| | FMA8900026[[[[[CTL[SP[[[L23[S21[BERNIE[[[WBLL574641[10TBT[L574641[[[N[KNIGHT[END_TM9 |
| 9:35 | OK button clicked. Enterd text: |
| 9:35 | Session finished: {C082C119-D677-47C8-9CD3-51C0E887AE26} |
| 9:35 | Next button clicked |
| 9:35 | Scale Direction Weighin Weight 75190 KG |
| 9:35 | Field: ; Value: |
| 9:35 | Display Lookup Field: Driver; Value: |
| 9:35 | Next button clicked |
| 9:35 | Field: Driver; Value: 5945 |
| 9:35 | Display CheckBox Field: Is Cleanup Load; Value: N |
| 9:35 | Next button clicked |
| 9:35 | Field: Is Cleanup Load; Value: N |
| 9:35 | Confirmation Screen shown |
| 9:35 | Yes button clicked |
| 9:35 | Big Message shown: Please Place Ticket in Printer Then Press Ok Button |
| | |
| 9:51 | Barcode scanned: START_TM9[54.10827[-117.13494[[031618[0829[MW00379027[LMW[[101-1869-ANC[|
| | FMA8900026[[[[[CTL[SP[[[L23[S21[BERNIE[[[WBLL574641[10TBT[L574641[[[N[KNIGHT[END_TM9 |
| 9:51 | OK button clicked. Enterd text: |
| 9:51 | Session finished: {D9A4871E-DDCD-450F-B337-DC7DC8D60A54} |
| 9:52 | Next button clicked |
| 9:52 | Scale Direction Weighout Weight 69960 KG |

Details of Weight

| DATE_TIME | WEIGHT | IN_OUT | WS_LOADID |
|--------------------|--------|--------|-----------|
| 3/16/2018 9:33:54. | 75310 | | |
| 3/16/2018 9:33:55. | 75250 | - | |
| 3/16/2018 9:33:55. | 75290 | | |
| 3/16/2018 9:33:55. | 75330 | | |
| 3/16/2018 9:33:55. | 75300 | | |
| 3/16/2018 9:34:01. | 75280 | | |
| 3/16/2018 9:34:01. | 75270 | | |
| 3/16/2018 9:34:02. | 75300 | | |
| 3/16/2018 9:34:02. | 75270 | 7 | |
| 3/16/2018 9:34:20. | 75250 | | |
| 3/16/2018 9:34:20. | 75240 | | |
| 3/16/2018 9:34:23. | 75210 | | |
| 3/16/2018 9:35:06. | 75190 | I | 2500 |
| 3/16/2018 9:35:44. | 75230 | | |
| 3/16/2018 9:35:44. | 75240 | | |
| 3/16/2018 9:35:46. | 75270 | | |
| 3/16/2018 9:36:06. | 75290 | | |
| 3/16/2018 9:36:06. | 75300 | | |
| 3/16/2018 9:36:10. | 75280 | | |
| 3/16/2018 9:36:11. | 75910 | | |
| 3/16/2018 9:36:11. | 72120 | | |
| 3/16/2018 9:36:11. | 68960 | | |
| 3/16/2018 9:36:11. | 68800 | | |

