



Case Study:
FortisAlberta

MOBILIZZ

FortisAlberta delivers electricity in Alberta to more than half a million customers across 200 communities and maintains local electrical lines and poles. Their fleet consists of 522 vehicles that service 70% of the Province of Alberta covering on average 1.2 to 1.5 million kilometres per month.

BACKGROUND

In July 2013, FortisAlberta selected Mobilizz as their telematics partner and began installing telematics in all 522 of their fleet vehicles, including small passenger vehicles and heavy equipment trucks with digger derricks and large aerial devices.

After installation, FortisAlberta immediately began capturing vehicle activity data such as harsh braking, acceleration, idling, speeding, harsh cornering and seat belt engagement.

Within six months of implementation, Fortis reduced fuel consumption by 200,000 litres, a direct savings of \$260,000 (avg price \$1.30 per litre. Source).

ISSUE

The volume and types of data being collected from the 522 devices became a challenge for FortisAlberta. Within a short time, FortisAlberta identified four key issues:

- Time: It would take two days per month analyzing and producing graphs, charts and statistics to create a monthly report for operations managers and senior executives
- Dashboards: There was no simple way to convert, visualize and publish the telematics data into performance dashboards that managers could use to proactively monitor and measure fleet costs, performance and potential risks in real-time
- Analysis: The desire to enable department heads to conduct real-time data analysis and generate new charts and dashboards on-the-fly in order to zero-in on current performance issues, cost creep, etc.

Asset Utilization and Investment: The need to monitor the use of high value equipment devices such as booms and diggers in order to optimize their use, eliminate unnecessary preventative maintenance costs, and based on their use (or lack thereof) whether new equipment purchases are justified or not.

SOLUTION

Mobilizz was alerted to these issues by FortisAlberta and soon partnered with Maps BI to create an effective solution. In order to solve the issues experienced by FortisAlberta, Maps BI created customized dashboards and a new reporting interface, accessible via the Internet and in real-time.



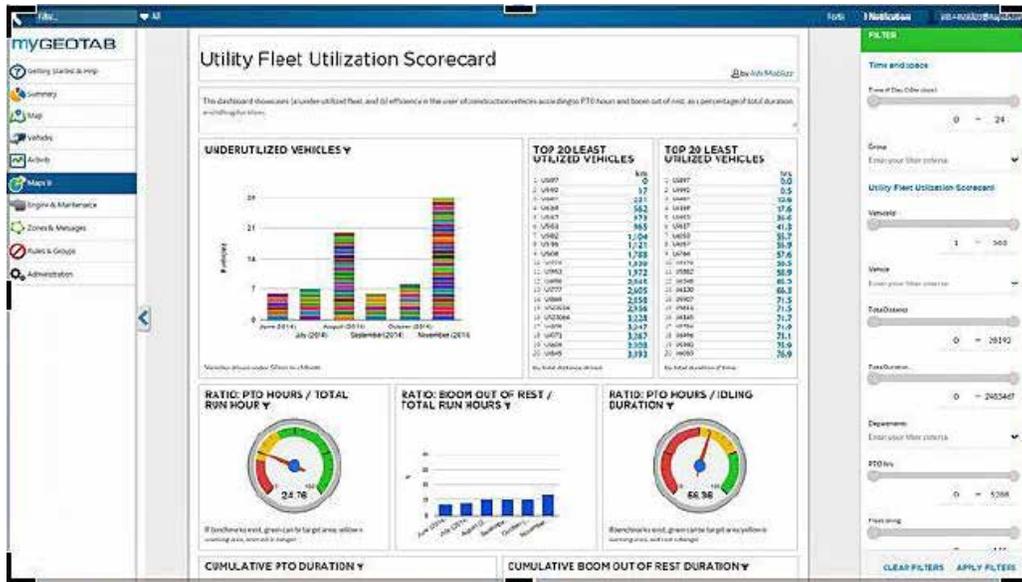
The 3 customized performance dashboards are:

1. Driver safety scorecard
2. Utilization scorecard
3. Fuel scorecard

These scorecards allow Fortis to:

- Get a quick high level snapshot of what is happening with the fleet
- Monitor idling
- Dive deep into any issues identified to locate the reason and source
- Locate any one of their 522 vehicles in real-time
- Easily monitor fuel consumed vs the kilometers travelled
- Monitor PTO and Boom Out Of Rest hours and usage

In August, for example, managers started to see some bad driving habits start to re-surface that caused an increase in fuel consumption. Managers were able to get to the core of the performance issue and reverse the trend.



A screen shot of the Utilization Scorecard

Fortis has also found significant benefits with the Utilization Scorecard, as it now allows Fortis to track PTO Hours, Boom Out of Rest Hours, as well as monitor general utilization of the fleet as a whole.

This dashboard quickly helps managers decide if preventative maintenance is required on vehicles or if they need to be reallocated. This is especially important for Fortis as a dispatched mechanic costs them \$1,000 per day. If a boom has been used infrequently over a three month period and does not require maintenance, Fortis saves a considerable amount of time and money by not sending out a mechanic.

NEXT STEPS

One of the strengths of Maps BI is their fully customizable software as well as their collaborative approach to working with their customers.

With Fortis, as with many of their customers, the work is never finished. As Fortis and Mobilizz identify more needs or requirements from the reporting and mapping, Maps BI are able to quickly create or add new actionable dashboards. Currently the Maps BI team is working closely with Wayne Candy from Mobilizz Inc and Fortis to configure dashboards that help generate even more value from telematics and other data sources.

Future use cases for Maps BI and Fortis will include creating dashboard mashups using line-of-business applications data (e.g. work orders) with telematics data, along with many others.



MAPS BI

Founded in 2013, Maps BI is an internationally-awarded, web-based dashboarding and business intelligence platform, with a mission to further the pursuit of "Visual Intelligence" and pave the way to not only make Big Data more accessible, but highlight actionable insights. Maps BI has partnered with Geotab and Mobilizz to provide actionable business insights from telematics data in an "easy-to-understand" fashion.



GEOTAB

Founded in 1996, Geotab has been a proven industry leader in the area of GPS fleet management and vehicle tracking, also known as telematics. Fortune 500 companies, including 40% of the top ten fleet and 18% of the top 100 fleets in North America, rely on Geotab's technology.



MOBILIZZ INC.

Incorporated in 1997, Mobilizz is a privately owned telematics company based in Markham, Ontario and have been serving fleets large and small since 2002. Mobilizz are one of the longest and most experienced resellers of Geotab telematics devices.