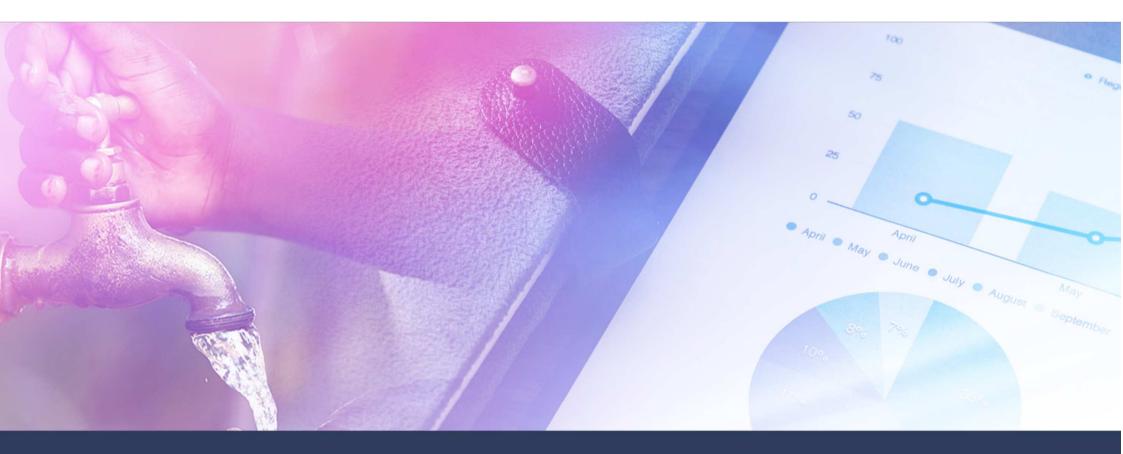




CIGFARO Revenue Summit 2018 Getting it Right to Serve the Communities Carl Stroud – Sebata Group Managing Director



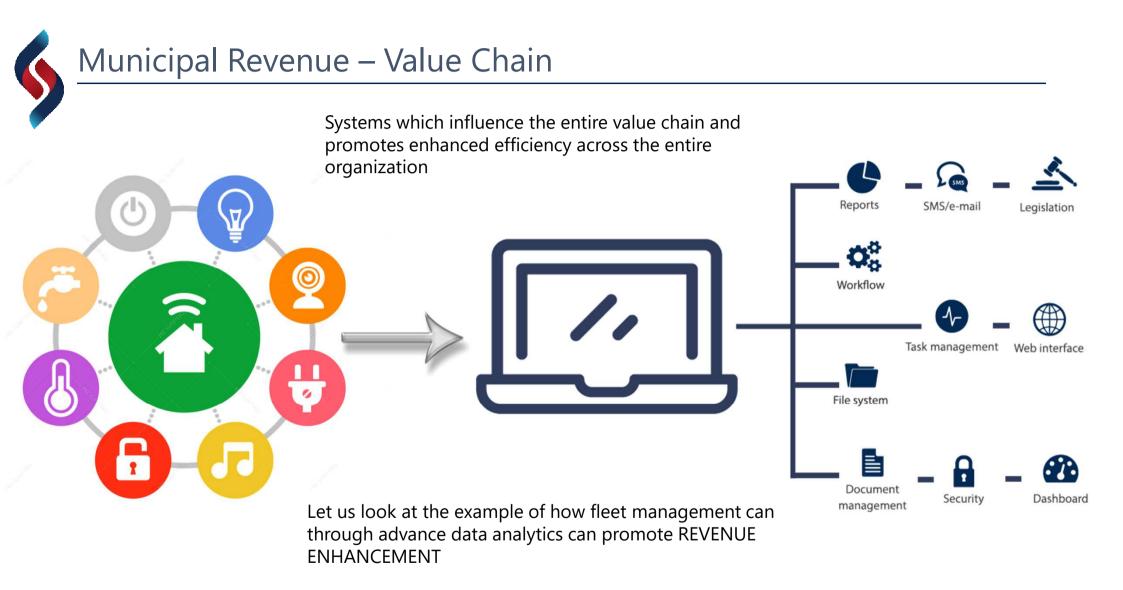




REVENUE ENHANCEMENT – FORWARD THINKING

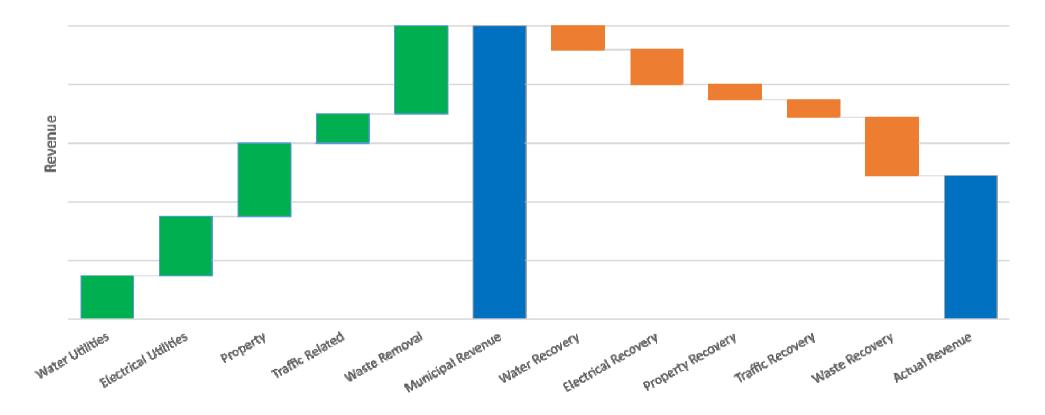
Utilizing <u>Business Process Data</u> to identify areas for improvement on the entire **municipal value chain**







Municipal Revenue

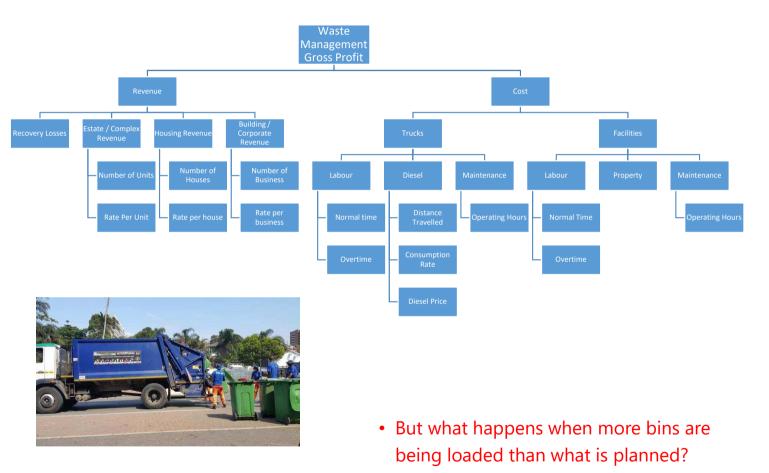


Innovating solutions for municipalities, public entities and provincial government

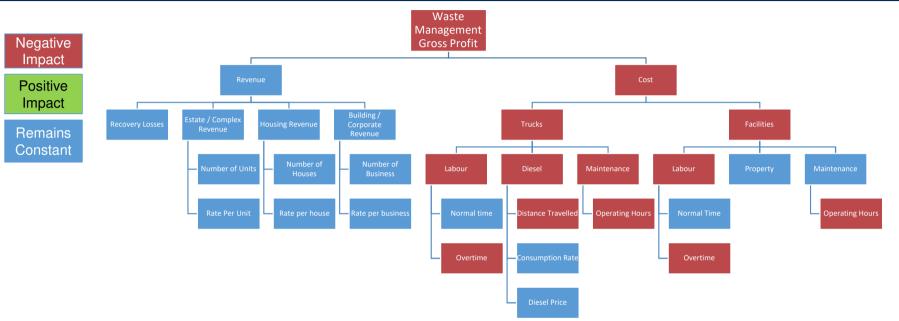
Municipal Waste Management – Profit Model

Profit for Waste Management is driven by revenue and costs.

- Waste Revenue is based on rates charged to clients, based on number of bins and types of clients.
- Cost driven by facilities and trucks
 - Labour
 - Diesel
 - Property
 - Maintenance, etc.



Municipal Waste Management – Profit Model



Revenue ultimately doesn't change

- Charges are applied to consumers based on defined rates.
- The rates do not currently change based on volumes.
- More bins loaded are not accounted for.

We need to develop an improvement agenda for revenue

Costs increase due to many reasons

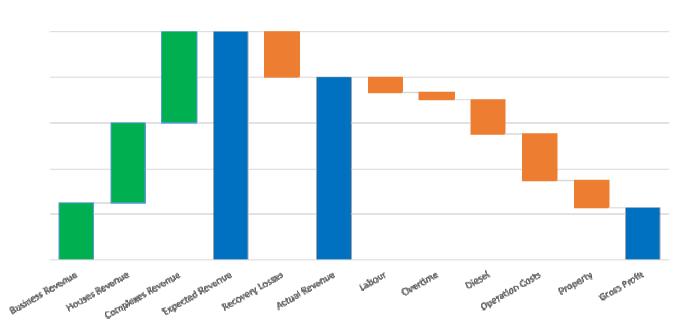
- Increased time loading trash Labour costs, fuel costs
- Trucks filling faster prompts return to facilities. Increased travel distance (fuel, time), delays (traffic, labour costs)
- Potentially increasing trucks quantity (Capital, maintenance, labour, fuel).

Identifying Areas for Improvement

Main Focus Areas:

- Revenue Recovery
- Cost Reduction
- Rate Increases
- Data Analyses can assist in pointing towards sectors where recovery can improve.
- Cost increase due to services increasing in areas where excessive waste is generated (through various means).
 - Cost based Rates could be applied to problem areas allowing increased revenue here.
 - Also incentivises waste reduction to save costs.
 - Operational Diagnostics available due to actively monitoring the business drivers.

Waste Management Gross Profit

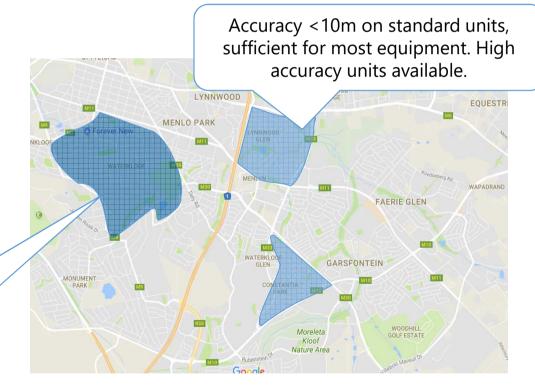


Understanding Fleet Movement

Helping to optimise the fleet and improve consumer charges

- Understanding where time is lost could contribute where revenue should be recouped.
- Monitoring dump trucks in key zones allows for estimating where deviations from the schedule occur:
 - Delays infer additional bins to be collected in some areas,
 - While others are unaffected.
- Knowing how vehicles are operating allows:
 - Plans to be optimised
 - Strategic deployment times
 - Additional vehicles in problem areas
 - Allocating penalty costs for areas with unauthorised bins.

Polygon geo-fencing of multiple areas and apply rules for what you want to pick up in those areas.

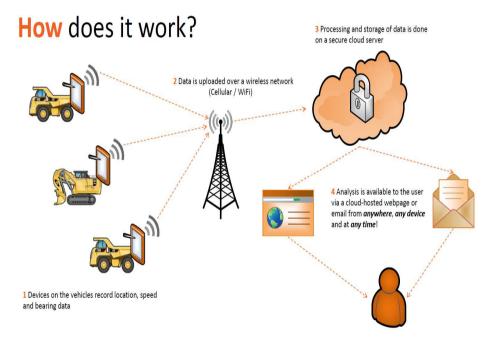


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DIAL Operational Diagnostics

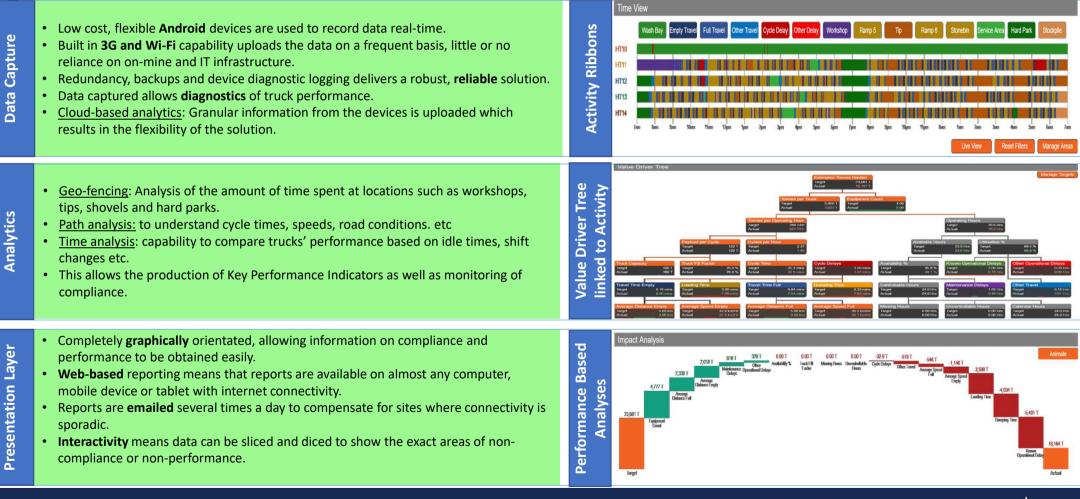
What makes DIAL a solution for optimising fleet management and business optimisation?

- **Capture critical fleet data** (*latitude, longitude, bearing, speeds and distances*)
- Perform analytics on the data collected in order to quickly and easily indicate instances and quantify reasons for operational non compliance (geospatial analytics, geo-fencing, time analysis, speed analysis, idle time analysis, production of key performance indicators and compliance analysis)
- Present the findings of this analysis in a highly graphical, interactive and intuitive way (graphic, web-based reporting, mapped to a physical image of the operation, accessible to mobile phones and tablets, interactive slicing and dicing of data)

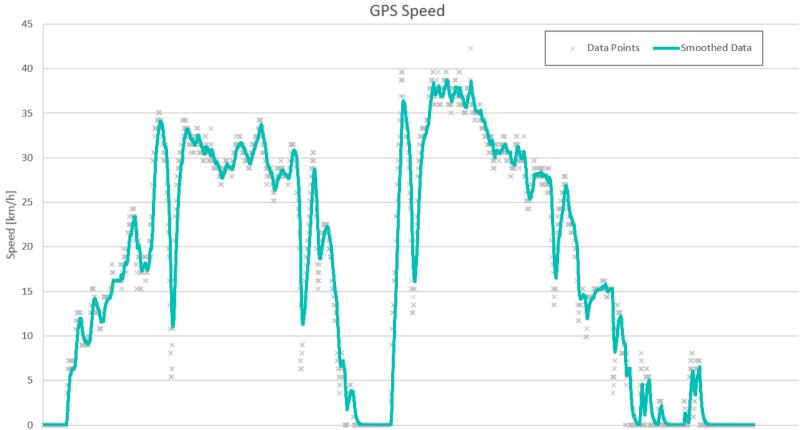




Understanding the Current Capabilities









The future lies with systems

The vast intelligence offered through such systems carry immense benefits for all sectors of business:

- Revenue enhancement through process and people optimization ٠
- Streamlining daily processes ٠
- Identifying fruitless and wasteful expenditure before it occurs ٠
- Powerful reporting tools to CFO's and MM's ٠
- Restores community confidence in municipalities ٠
- To mention but a few. ٠

Sebata understands this principle, this is why we have invested in developing INNOVATIVE TECHNOLOGIES for the public sector.

Thank you for the opportunity to present our service offering to you

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