FuelTrac Solution

S.No	Parameters	Description
1	Sensor	Fuel Level Sensor - Our partnership is with Omnicomm
2	Connectivity	2G / 4G LTE connectivity to cloud
3	Measured Parameters	Fuel sensor: Fuel level, Temperature Telematics device: GPS location, speed, Battery voltage, Ignition status
4	Derived Parameters and Aggregations	Fuel consumption, Consumption Per Hour, Fueling and Defueling amount, Total run Time, Fuel Efficiency (Litres/Hr, Km/L), Total Run Time / Travel Time, Distance travelled, Stoppages, Stoppage time Events: Fueling and de-fueling events, Overspeeding, Rash Driving, Geo-fencing breaches
5	Business Use Case	**Fuel Monitoring:** 1. Real time fuel level monitoring, location tracking 2. Track usage - Run hours 3. Monitor Fueling and Defueling events 4. Identify Fuel pilferage or Fuel loss through leakages 5. Measure Hourly Fuel consumption (CPH) and Fuel Efficiency (Km/L) 5. Track equiment usage (Run Hours) **For Vehicles:** 1. Real time location and tracking of the vehicle 2. Track usage of the vehicle - Distance Travelled, Travel time, No. of stops made with stoppage durations 3. Track route taken by the vehicle and identify unauthorised detours and stoppages 4. Identify Overspeeding and rash driving of the vehicle 5. Get Real time alerts for - Overspeeding - Breach of Geo-fencing - User defined thresholds of cumulative distance and time
6	Data Observability	Monitor the Health of the Data Pipeline and Integrity of the Data reported by the device. Raise alerts and notificatons when - 1. Device goes offline 2. Comes back online 3. Out of Range data indicating malfunction in the device

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7	ETL reports, Alerts / Notifications	**Reports:** 1. Daily usage reports Summary - run hours, Fuel Consumed, Fuel added/removed, Fuel consumption per hour 2. Fuel level trend 3. Fueling and Defueling details (Quantity, time, location) 4. Vehicle usage report - Summary and Detailed with stoppage points 6. Route taken by the vehicle - map view **Alerts/Notifications:** 1. Fueling events 2. Defueling events 3. Geofencing Breach 4. Overspeeding 5. Rash Driving (Harsh Braking, Acceleration, Cornering) 6. Crash Detection 7. Tow Detection
8	Integrability	Built on a Data Science Platform, the usage of this device can be integrated with other digital KPIs 1. Integration with BLE beacons (temperature, humidity etc)
9	Master / Reference Data	Enrich telemetry data with Master/ Enterprise reference data such as make, model, size, age, location of the equipment consuming fuel
10	Contextualisation via Public API	Framework to enrich and contextualise telemetry data through Public API integration to get Temperature, Humidity and weather conditions
11	Accessibility	Web Reports, Mobile App (Android and iOS)