

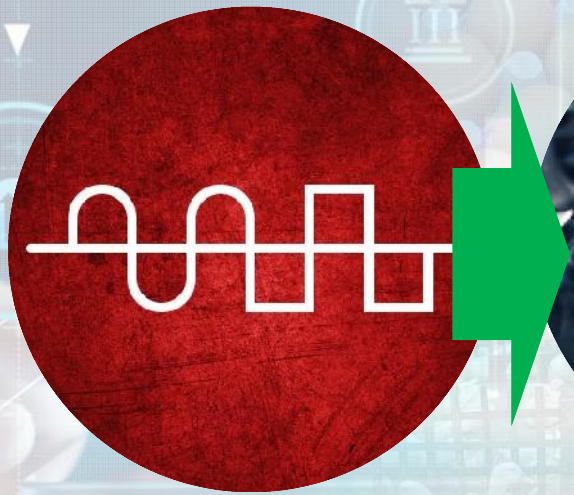
Digitalisasi untuk Mencapai Efisiensi Logistik Hilir Perunggasan

Sabtu, 29 Mei 2021

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Proses Transformasi Digital

DIGITALIZATION



Conversion of analogue to digital (Data)

DIGITALIZATION



Adaption (Process)

DIGITAL TRANSFORMATION



Creation (Business)

Definition of Digitasion, Digitalisation and Digital Transsformation (based on Maltaverne, 2017)

Flow Proses Hilir Perunggasan

Pendapatan dan Resiko

Product Raw



Product Unggas dan Telur Segar

Produk Olahan (Semi Customable & Consumable)



Produk Daging Beku, Nugget, Telur siap santap, dll

Distribusi



Business to Business
Business to Customer

Pemanfaatan Technology Logistic Hilir Perunggasan *(Distribusi)*





- ✓Memastikan kualitas barang yang dikirim tetap aman dan terjaga kualitas barang yang di angkut
- ✓Pencegahan dan penanganan keadaan abnormal secara efektif
- ✓Peningkatan kinerja armada dan tenaga kerja yang terlibat dalam proses pengiriman
- ✓Penghematan dan efficiency biaya Operational
- ✓Meminimalisir terjadinya kesalahan data / data tidak akurat
- ✓Penyajian data, informasi, juga laporan dengan cepat & akurat
- ✓Meminimalisir ketidak efisienan pola kerja dalam setiap tahapan bisnis

Sistem Pengelolaan Armada

(Fleet Management System/FMS)

Platform FMS harus bisa mengaktifkan dan meningkatkan 6 kemampuan:

- ✓Visibility
- ✓Predictability
- ✓Decision Making
- ✓Speed
- ✓Cost Efficiency
- ✓Automation System



Fleet Management System Architecture



1 **Using *GPS Coordinates* to get the coordinates of current position**



2 **Sending Data Via GSM**



GSM Network

3 **Data Processing**



Serv er

4 **User can used Tablet, Mobile Phone, etc**



5 **Sending Alert via Email or SMS**

Customer Only Need to Login to Our Web Site to Get Real Time Information

Integrated Data Real Time
dari Semua **GPS Tracking**
Data Provider



Proses Pengiriman Product

Plan and Dispatch Management



Unit Availability

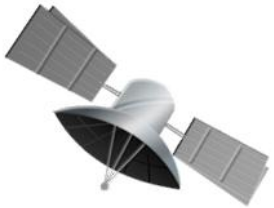


Driver Availability



Petty Cash

Monitoring



Ritase

Idle

Travel

Over Speed

Closing Delivery Process



Vehicle Status



KPI Driver



Invoice



Dashboar Management



Pre Distribution

Delivery

Post Distribution

Pre Distribution

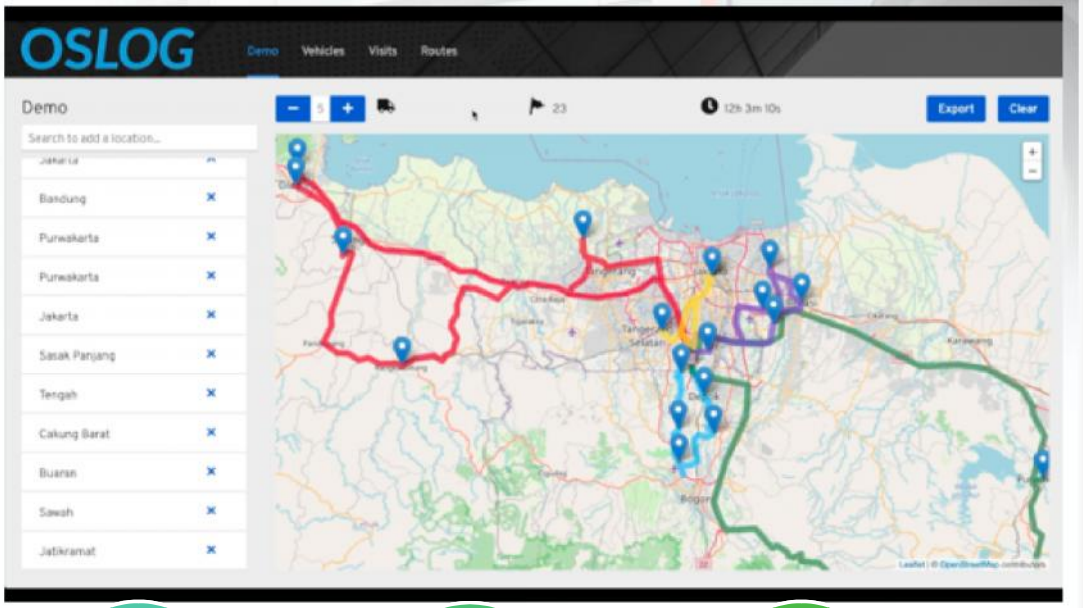
Automatic Route & Dispatch

- Import from excel
- Integratred from ERP or Backend System

Order Data

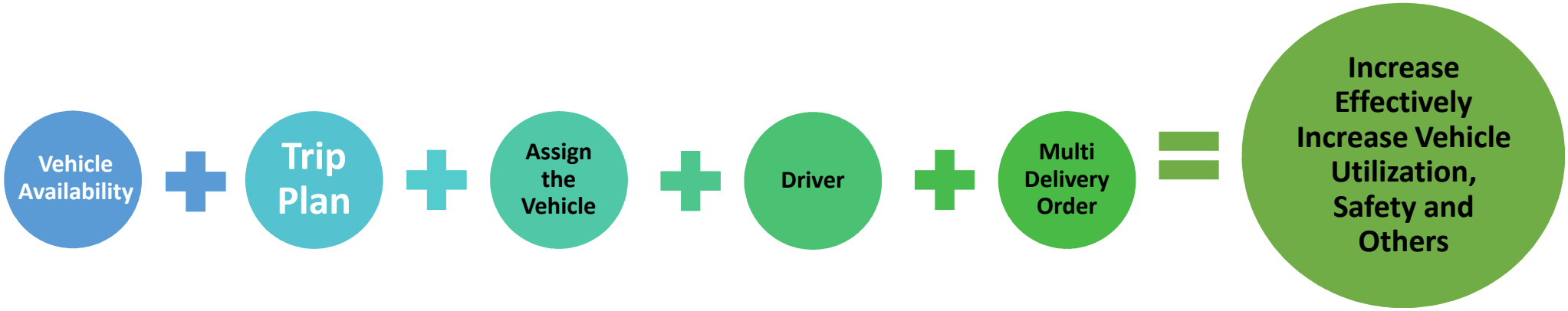
Automatic Route & Dispatch

- Sales Order will be automatic route and dispatch by system
- Map parameter and Customer parameter



Vehicle Availability + **Trip Plan** + **Assign the Vehicle** + **Driver** + **Multi Delivery Order**

Pre Distribution



Fleet Management System Features

Some Features are depends on the GPS Device and Sensor used

ACC Detect

Detecting on power supply and monitor its activity

Geo-Safe

Set up a virtual barrier that triggers when your vehicles enter or exit

Low-power Alarm

Controlling all your vehicle power consumption and notify to recharge

TracePlayback

Evaluate the routes for All Jobs, and the behavior of drivers

Live Tracking

Cut the hassle by controlling your drivers all at once on 24/7 Live Tracking

Over-speed Alarm

Alert the driver whenever he is speeding or performing unauthorized driving

Stop Engine

Be informed whenever your vehicles exceed defined parameter or unauthorized usage

SMS Alarm

Alert your driver easily with SMS

Bluetooth

Integrated Bluetooth enable wireless headset & other sensor connectivity. No unauthorized call anymore & always safe

Cut-wire Alarm

Alert the driver when something happen with the Wire

Sensor Support



Door Sensor
Seatbelt Sensor

Analog Fuel Sensor
Analog Temperature Sensor

Engine Control
Starter Control
Remote Switch

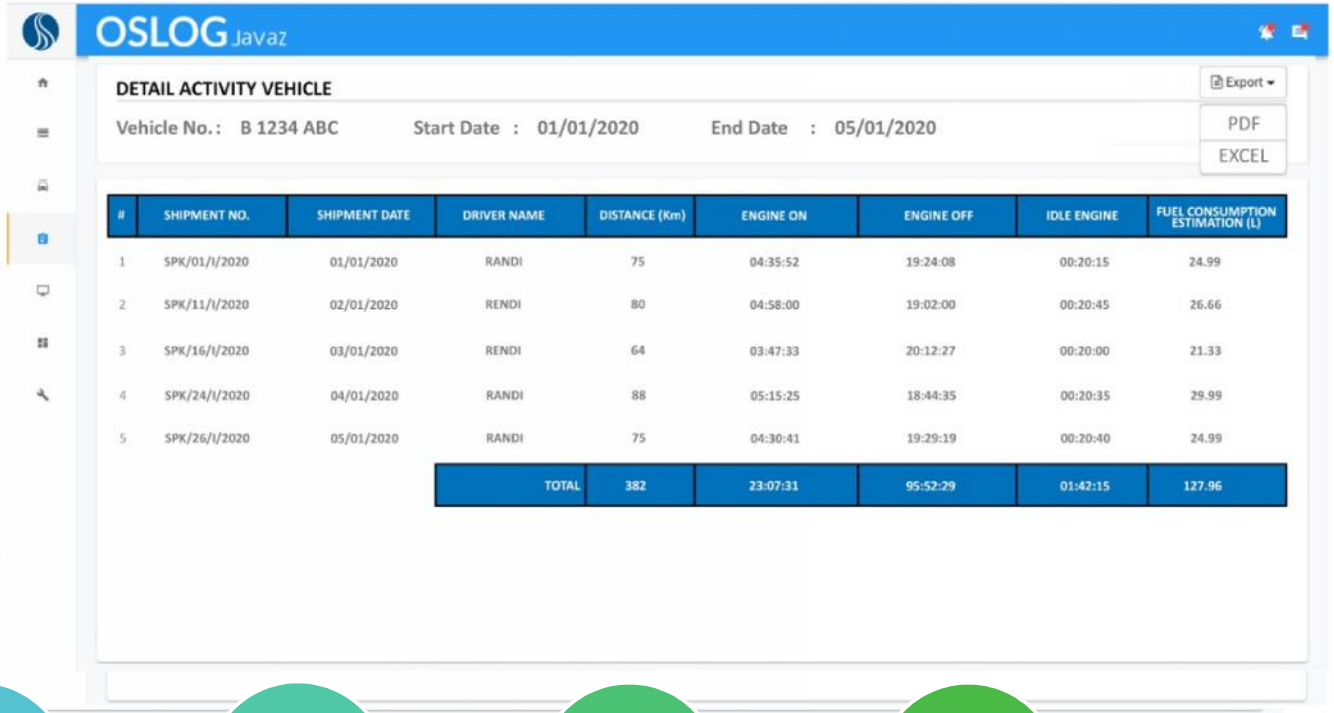
Smart Crash Detection

Ensure safety with smart crash detection. Get alarm message immediately after accident, save workers life

Post Distribution

Vehicle Utilization

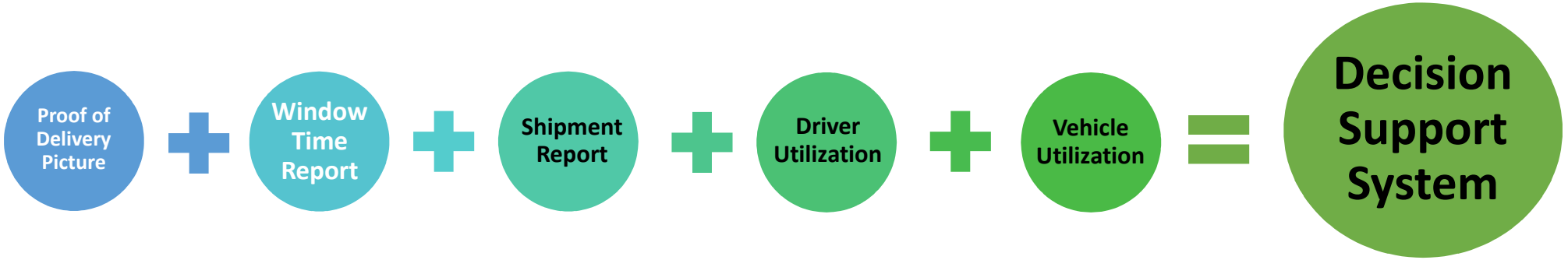
- Total shipment
- Total distance
- Engine Status
  - Engine On
  - Engine Off
  - Engine Idle
- Fuel Consumption (Estimation)



#	SHIPMENT NO.	SHIPMENT DATE	DRIVER NAME	DISTANCE (Km)	ENGINE ON	ENGINE OFF	IDLE ENGINE	FUEL CONSUMPTION ESTIMATION (L)
1	SPK/01/I/2020	01/01/2020	RANDI	75	04:35:52	19:24:08	00:20:15	24.99
2	SPK/11/I/2020	02/01/2020	RENDI	80	04:58:00	19:02:00	00:20:45	26.66
3	SPK/16/I/2020	03/01/2020	RENDI	64	03:47:33	20:12:27	00:20:00	21.33
4	SPK/24/I/2020	04/01/2020	RANDI	88	05:15:25	18:44:35	00:20:35	29.99
5	SPK/26/I/2020	05/01/2020	RANDI	75	04:30:41	19:29:19	00:20:40	24.99
			TOTAL	382	23:07:31	95:52:29	01:42:15	127.96

Proof of Delivery Picture + Window Time Report + Shipment Report + Driver Utilization + Vehicle Utilization

Post Distribution



Kesimpulan

- Pengiriman unggas atau hasil olahan sampai di tujuan tepat waktu, aman dan terjaga kualitasnya
- Biaya selama process pengiriman bisa lebih efficient dan effective
- Peningkatan kinerja unit angkut (utilisasi maksimal)
- Memiliki informasi secara real time process pengiriman sehingga apabila terjadi penyimpangan dan anomali selama process pengiriman bisa di antisipasi segera
- Penyajian laporan cepat dan tepat untuk pengambil keputusan dalam peningkatan dan pengembangan bisnis



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