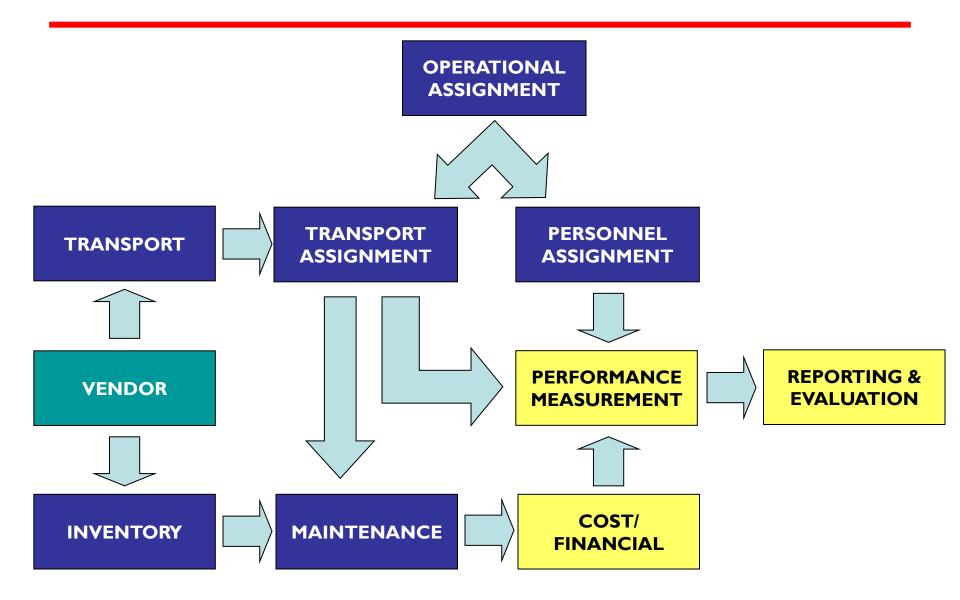
INFORMATION SYSTEM FOR TRANSPORT MANAGEMENT SYSTEM

SUGI PURNOTO SE.MM INDONESIA TRUCKING ASSOCIATION

OUTLINE

- Frame Work ICT for Transport.
- ICT Skema for Transport.
- ICT Monitoring System.
- ICT Reporting System
- Fleet Management System

IT FRAME WORK FOR TRANSPORT



IT FRAME WORK FOR OWN TRANSPORT

Pre Trip Reporting	Opertion Monitoring	Past Trip Monitoring & Reporting
 Truck availability. Driver availability. Shipment Planing Pre-trip Checking. Delivery Order Plan 	 Delivery Monitoring Driver monitoring. Security monitoring Emergency reporting. 	 Truck Utilization. Driver Utilization. Delivery Reporting Past trip reproting. Proved of Delivery
• Tire Checking		• Invoicing.

MAIN INFORMATIONS

Vehicles Fuel Log Records Maintenance/Work Orders ✓ Labor Lines Parts Lines Payments/Fees Personnel Inventory Items Vendors **Tires**

VEHICLE RECORD

D Edit Existing	Vehicle	×					
	Out of Service						
VIN:	67890123456789012 Make: Ford	~					
Model:	F-550 V Type/Style: Box Truck	~					
Year:	2004 Odometer: 34606 Log Ownership: Customer	~					
Tracking and Utilization Customer							
	Track by: Distance Auto Utilization 1234						
	O Hours 🚯 Set Values JOHN E. DOE TRUCKING						
	I234 ANYWHERE ST Email Reminders: Image: State Stat						
	Maintenance Labor and Work Order Defaults ● Employee Vendor Employee Vendor						
	Serviced By: Fleet Maintenance Department V Acct: 10000 - Fleet Maintenance V						
	Renewal Dates						
GPS Unit:	Baker-44 😲 Veh No: 387-10 🤨 Tag No: L712543 Registration: 02/26/2007 👔	≧					
Operator:	E00006 V Jackson, Andrew Emission Test: 05/27/2007	≧					
Location:	Headquarters - Baltimore VInspection: 05/24/2006	≧					
Department:	Fleet Maintenance VInsurance: 08/26/2006	≧					
	Created: 03/04/2004 2:24:45 AM by: Unknown Last Edit: 11/06/2006 10:32:58 PM by: Unknow	vn					
= 同 =====	Additional Details OK Cancel						

Vehicle Details

ລ	Details for: 1994 Ke	enworth Cabove	r Trac	tor	Tag No:	0817	4 GC		×
	Emissions	Journal			Notes			Disposal	
	Purchase	Ext Warranty	,	I	nsurance		Re	gister/Inspect	
	Engine\Body	Chassis/Tires	5	Ca	pacities			Parts Used	
	FAxle/Wheel Configuratio	on Jals Axle Type	Diff Ty	/pe: Dua		Trans	s Type:	CK18	
		Steer 🗸	Ra	atio: 6.21		Trans	s Code:	66327	j
		Drive 🗸	Fror	/heel Size	; 22.5 x 8		*		
		Drive 🗸		Tire Size	: 295/75 :	22.5	*	/ psi: 95	
		· ·	⊤Rear W		; 22.5 x 8		~	•	
		~		Tire Size	; 295/75 ;	22.5	~	🖌 psi: 95	
		×						<u>^</u>	
	Lock Configuration	on						~	
	<u></u>						ОК	Cancel	

FUEL RECORDS

Logging each fuel purchase

Monitoring fuel economy for each vehicle

Providing information about fuel consumption

Giving cost information



MANAGERIAL INFORMATION

Fuel Log

🗈 FL	ЕЕТА	MATE	™ [C:\	DAT	ANLOGI	C\Tra	inin	g Flee	t M		×
File V	ehicle	Compa	any Data	View	Options	Help					
è -	-	₽			- 🗋	\bigotimes			2) 🐔	K
Where:	Vehicle.	Year		-	~ = ~						
Year≜ I	Make		Model	1	ype/Style	I VIN I	Tag No) 0	perator	Location	~
2006	JINSAN	1	Mobil Tan	igki L	ong Chassis.	89123	D 8845	CV D	R00017		
2006	NITSU	DISHI	Mobil Tan	igki L	ong Chassis.	10123	D 4441	SO D	R00005	Headquar	
2006	NITSU	DISHI	Mobil Tan	igki L	ong Chassis.	78912	D 4420	ICP D	R00004		
2007	BINO		Mobil Tan	-	ong Chassis.				R00019		~
2007	DIMO		Mabil Tan		ona Chossia	67001	D 100F	CM D	D00002	>	-
Fuel Lo	g M	laintenanc	e/Work Or	ders	Payments	/Fees/Exp	penses				
Where:	Fuel.Da	ate			* = *	*					
Date≜		Last Od	Curr Od	km	Litres	t Te	ot Costi	Brand		[~
4/1/200	7	500	612	112	109.00	468,3	700.00	Pertamina			
4/2/200	7	612	776	164	58.00	249,4	400.00	Pertamina			-1
4/3/200		776	1004	228	83.00			Pertamina			
4/4/200		1004	1349	345	137.00			Pertamina			
4/5/200		1349	1665	316	119.00			Pertamina			
4/6/200		1665	1970	305	120.00			Pertamina			
4/7/200		1970	2173	203	77.00	,		Pertamina			
4/8/200		2173	2461	288	101.00			Pertamina			
4/9/200		2461	2743	282	158.00			Pertamina			
4/10/20 4/11/20		2743 3064	3064 3282	321 218	115.00 82.00			Pertamina Pertamina			~
002		_	3282 ./100 km:		Fuel Cost:				p625,000	1.00 Last S	5er /

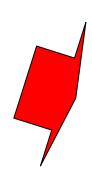
Fuel Record

🗈 Edit Exis	ting Fue	el Record - Ta	g No: D	8845 CV	Veh No:	200	×
Date:	4/1/2007	Last Odometer:	500	Odometer Now:	612	km: 112	
Litres:	109.00 🕠	🗌 From Inventory 🅠		Brand:	Pertamina		*
Tot Cost:	468,700. 🕠	Business		Dealer:	SPBU JI. Paste	ur Bandung	*
Acct:	Fleet Fuel		~	③ State/Prov:	Jawa Barat		*
Driver:	DR00002 Uja	ang Jamaludin	~	Type/Grade:	Solar		*
Comments:				-			
Fuel Custom 1:							
Fuel Custom 2:							
Fuel Custom 3:							
Fuel Custom 4:							
	Created:	8/17/2007 10:30:36 PM b	ov: Unknown	Last Edit: 8/17/	/2007 10:30:36 F	PM by: Unkn	own
三司 =====					ОК	Cancel	

WORK ORDERS

Work Orders

Recording all maintenance activities performed on a vehicle



Labor/Task

Parts

Other informations: -External documents -Images

Work Order (Labor)

Edit Existing Wo	rk Order - Tag No: J908871 Veh No: 488	8-5 2004 Ford E-2	250 🛛						
Creation Date:	8/10/2004 112 Order No:	FM-1000006	Odometer: 64000						
			Odometer: 64000						
Completion Date:		3/16/2004 112 Driver: E00005							
Issued/Serviced By:	Fleet Maintenance Department 🛛 👽 🗘 Acct:	10000 - Fleet Maintena	ance 🔽						
Summary Description:	Won't Stay in Gear		~						
Full Description:	Ordered Transmission - 8/10/04. Received Transmi	ission 8/15/04.							
			~						
Maint Custom 1:		-Status Flags -							
Maint Custom 2:	Warranty								
Maint Custom 3:			Recall						
Maint Custom 4:			Completed						
Labor Parts 0	6341 Scan Parts Attachments	Charges / Bi	lling						
Units Cost/Unit De	escription	Labor:	904.00						
	necked Transmission	Misc:	0.00						
48.00 17.50 Re	eplaced Transmission	Parts:	3,250.00						
		Discount:	0.00						
		0.00 % Tax:	0.00						
	Right-Click Total: 4,154.00								
	Created: 8/23/2004 1:57:51 PM by: Unknown	Last Edit: 3/31/2008	9:28:47 PM by: Unknown						
Print Invo	pice E-Mail Work Order Print Work Order)	OK Cancel						

Work Order (Parts)

Edit Existing Wo	ork Order - Tag No: J9088	71 Veh No: 48	8-5 2004 Ford E-2	250					
Creation Date:	8/10/2004 112	Order No:	FM-1000006	Odometer: 64000					
Completion Date:		8/16/2004 112 Driver: E00005							
Issued/Serviced By:	Fleet Maintenance Department	🚽 😲 Acct:	10000 - Fleet Mainten	ance 🔽					
Summary Description:	Won't Stay in Gear			~					
Full Description:	Ordered Transmission - 8/10/04.	Received Transm	ission 8/15/04.						
				~					
Maint Custom 1:				Status Flags					
Maint Custom 2:	Warranty								
Maint Custom 3:									
Maint Custom 4:				Completed					
Labor Parts	Scan Parts Attachmer	nts	-Charges / Bi	lling					
Qty Part No	Description	Price Ea	Labor:	904.00					
1 11546-04A	Remanufactured Transmissio	on 3,250.00	Misc:	0.00					
			Parts:	3,250.00					
			Discount:	0.00					
			0.00 % Tax:	0.00					
	Right-Click Total: 4,154.00								
	Created: 8/23/2004 1:57:51	l PM by: Unknown	Last Edit: 3/31/2008	5 9:28:47 PM by: Unknown					
E Fil E Print Invo	oice E-Mail Work Order	Print Work Order)	OK Cancel					

PAYMENTS/FEES/EXPENSES

Payments/Fees/ Expenses Records

Tracking and monitoring items such as

- loan/lease payments,
- insurance premiums,
- inspection fees,
- tolls, or
- essentially any other type of expense
- not related to fuel or maintenance.



MANAGERIAL INFORMATION

Payments/Fees/Expenses

File	Vehicle	Compa	ny Data	View	Optior	ns Help					
2	- 🕗	₽	2	Ø	- 💽	§			<u>8</u>) 🧖	¥2
Where	Vehicle.	Year			* =	*					
Year≜	Make	-	Model	-	Type/Styl	e IVIN	l Tag No) IC	Operator	Location	~
2007	BINO		Mobil Tang	-	Long Cha				DR00003		
2007	BINO		Mobil Tang		Long Cha		D 1234		R00002		_
2007	IMUKU		Mobil Tang		Long Cha		5 D 1234		DR00001		
2007	IMUKU		Mobil Tang	-	Long Cha		D 5678		R00006		
2007	JINSAN		Mobil Tang		Long Cha:		'D 7854		R00007		
2007	NITSUE	ляні	Mobil Tang	зкі	Long Cha	SSIS 45678	3 D 8520	ILF L	R00011		*
<											>
Fuel Lo	og Ma	aintenance	e/Work Ord	ders	Payme	nts/Fees/I	Expense	25			
Where	e: Paymer	nt.Date			* =	*					
Date	. 1	Гуре	Descri	ption							Amti 👗
Date▲ 4/30/2		Type Loan	Descri Rent	ption			Í			12,768,000	
	2007 L										0.00
4/30/2 4/30/2 4/30/2	2007 L 2007 (2007 (Loan Other Other	Rent Retribu Ritase	usi						12,768,000 456,000 708,240).00).00).00
4/30/2 4/30/2 4/30/2 4/30/2	2007 L 2007 (2007 (2007 (Loan Other Other Other	Rent Retribu Ritase TOL	usi						12,768,000 456,000 708,240 563,000).00).00).00).00
4/30/2 4/30/2 4/30/2 4/30/2 5/1/20	2007 L 2007 (2007 (2007 (2007 L	Loan Other Other Other Insurance	Rent Retribu Ritase TOL Premiu	usi	nent					12,768,000 456,000 708,240 563,000 3,500,000	0.00 0.00 0.00 0.00
4/30/2 4/30/2 4/30/2 4/30/2 5/1/20 5/31/2	2007 L 2007 (2007 (2007 (2007 (2007 L 2007 L	Loan Other Other Other Insurance Loan	Rent Retribu Ritase TOL Premiu Rent	usi Im payrr	nent					12,768,000 456,000 708,240 563,000 3,500,000 12,768,000	0.00 0.00 0.00 0.00 0.00 0.00
4/30/2 4/30/2 4/30/2 4/30/2 5/1/20 5/31/2 5/31/2	2007 L 2007 C 2007 C 2007 C 2007 L 2007 L 2007 C	Loan Other Other Other Insurance Loan Other	Rent Retribu Ritase TOL Premiu Rent Retribu	usi Im payn usi	nent					12,768,000 456,000 708,240 563,000 3,500,000 12,768,000 522,000	0.00 0.00 0.00 0.00 0.00 0.00
4/30/2 4/30/2 4/30/2 5/1/20 5/31/2 5/31/2 5/31/2	2007 L 2007 (2007 (2007 (2007 L 2007 L 2007 (2007 (Loan Other Other Other Insurance Loan Other Other	Rent Retribu Ritase TOL Premiu Rent Retribu Ritase	usi Im payn usi	nent					12,768,000 456,000 708,240 563,000 3,500,000 12,768,000 522,000 657,760	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
4/30/2 4/30/2 4/30/2 4/30/2 5/1/20 5/31/2 5/31/2	2007 L 2007 (2007 (2007 (2007 L 2007 L 2007 (2007 (Loan Other Other Other Insurance Loan Other	Rent Retribu Ritase TOL Premiu Rent Retribu	usi Im payn usi	nent					12,768,000 456,000 708,240 563,000 3,500,000 12,768,000 522,000	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

Expense Records (Loan, Insurance, Tolls, Fees, etc.)

Edit Existing	Expense/Payment - Tag No: K665651 Veh No: 989-5 2004 Fo	rd E-250
Amount:	556.00 Vehicle Insurance	*
Date:	8/23/2004 Account: 11000 - Fleet Vehicle Insurance	*
Description:	Insurance Premium	*
Comments:		~
		~
Pmt Custom 1:		
Pmt Custom 2:		
Pmt Custom 3:		
Pmt Custom 4:		
Created:	: 8/23/2004 1:43:33 PM by: Unknown 👘 Last Edit: 8/23/2004 1:43:33 PM by: U	nknown
三司 ====	ОК Са	incel

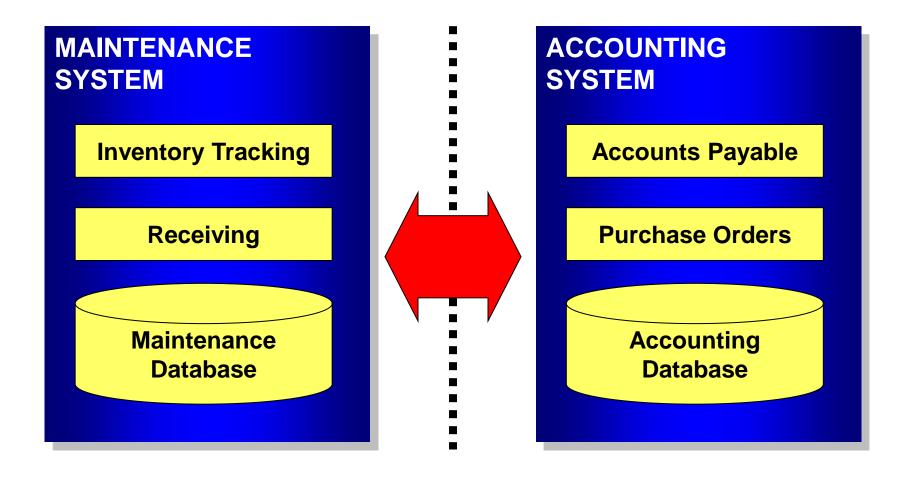
PERSONNEL EMPLOYMENT INFORMATION

a) FLEETM	ATE [™] Persor	nnel Module				_	
Employee No		* =	*				
Emp ID 📥	SSN		Last Name	First Name			
00000	000-00-0000)	Washington	George			
200001	111-11-111	l	Adams	John			
00002		2	Jefferson	Thomas			
200003	333-33-3333	3	Madison	James			
200004	444-44-4444	ł	Monroe	James			
200005	555-55-5555	5	Adams	John			
200006	666-66-6666	;	Jackson	Andrew			
200007	777-77-7777	7	Van Buren	Martin			
80000	888-88-8888	3	Harrison	William			
200009	999-99-9999	,	Tyler	John			
General Er	mployment	Organization	License/Training	Driving History	Contacts	Comments	
DOB	3: 1/1/1962	112	🕠 Job Title: Driver			🖌 Grade:	40
Hire Date	; 1/1/1992	112	Inactive Employee	Release Date:		12	
Comments				Comments:			
commentes				connicito.			

INVENTORY

- The system features an Inventory Module that will enable us to:
 - ✓ track your replacement parts inventory,
 - ✓ receive material into your inventory, and
 - ✓ will provide the cost data necessary to expense your material using Average Cost, FIFO, or LIFO expensing.

Inventory, Maintenance & Accounting System



Inventory System

☐ FLEETMATE™ Inve	ntory Module - 11 II	ems in Inventory				(
Stock Receiving o						Ň	
Barcode Scan		ok up the status of a part (left), scan your barcode.					r
ACTIVE Print Window	Stock No: 50020 Inventory Type: Repair Parts -	Electrical		500			
20	Item Description: Fuel Injector Manufacturer: Autolite	Warehouse/S Main					
3	Manufacturer Part No: 1162K45		Aisle-Row-Bin: 3 - D - 16		Unit of Measure: Ea		
	Cost Ea: \$23.45	Selling Price: \$35.18	On Hand: 8	On Order: 0	Low Stock: 2	Re-Order: 8	
	Expense Method: Manual		Last P.O. No 881711		Last Purc/Re 6/30/20		
	Primary Vendor: Auto Pros - Ed	d Dawson - 111	L-222-33	33			
	Alternate Vendor: General Auto	Parts - Jane Do	ough - 7	77-666-5	555		
= 171 ======							Close

VENDOR RECORDS

D FLEETMA	TE™ Vendor Module			
Vendor ID	* =	*		
Vendor No 🔺 🗌	Vendor Name	Primary Supply Typ	e 👘 Tax ID No	
V0006	Pro Lube Plus, Inc.	Contract Service	123-456-7	7890
V001	Auto Pros	Repair Parts - Gene	ral 2435-534:	3-221
V002	General Auto Parts	Repair Parts - Gene	ral 1234-4554	4-4532
V003	American Auto Parts	Repair Parts - Gene	ral 6431-343	3-5495
V004	Central Petroleum	Fleet Fuel	6545-444	1 -86
				Right-Click 💦
General Ord	der Info Comments			
Vendor No:	V0006	Inactive Vendor		
Vendor Name:	Pro Lube Plus, Inc.		Primary Inv Type:	Contract Service 🛛 🗸
Address:	123 Any Street		Tax ID No:	123-456-7890
City State Zip:	Any State, MD 09876		Blanket PO No:	FP00921
= ਜ਼। ====				Save Current Record Close

TIRE MANAGEMENT SYSTEM

Tire Management System

Serializing the tires

Tracking tire location

Recording pressure and tread depth

Recording usage

Recording tire rotations

Tire Management System

Each tire must be assigned a unique **ID Number**.

- All costs associated with tire related activities are recorded via Work Orders.
 - ☑ This includes the tire cost, and the costs associated with mounting/dismounting tires and rotating tires.
 - ✓ Tire service costs, such as re-treading, are captured via Work Orders as well.

These costs relate back to the associated vehicle.

Basic Illustration of the Tire Management System

TIRE INVENTORY **VEHICLE CHASSIS** "Axle/Wheel Configuration" □ FLEETMATE™ Tire Management - 18 Tire Rec... Duals Axle Type Tire Inventory Mount/Dismount Rotate/Move Mount / × = × Tire ID/SN Steer ¥ Tire ID/SN Location Brand Size Purchased Туре Dismount NEW02 67890123456789012 Bridgestone 225/7515 Steel Radial 6 Plv 3/19/2006 NEW03 67890123456789012 Bridgestone Steel Radial 6 Plv 3/19/2006 225/7515 Drive NEW04 225/7515 67890123456789012 Bridgestone Steel Radial 6 Ply 3/19/2006 ¥ NEW05 67890123456789012 Bridgestone 225/7515 Steel Radial 6 Ply 3/19/2006 _NEW06 67890123456789012 Bridgestone 225/7515 Steel Radial 6 Ply 3/19/2006 _NEW07 67890123456789012 Bridgestone 225/7515 Steel Radial 6 Plv 3/19/2006 Drive Y Tracking/Service Journal General Comments Current Tire Status Available Location: Warehouse **Rotations** Tire ID/SN: _NEW17 Purch Date: 3/19/2006 OE 🔽 Inactive 12 Inspections Type: Steel Radial 6 Ply Used Warr Expires: 12 or at Mile Service Manufacturer: Bridgestone Purch Mileage: 0 Miles/km of Size: 225/75 15 (i) Vendor: Tires Plus, Inc. Contact Name: Ben E. King Phone: Created: 3/19/2006 2:25:25 PM by: Unknown - Last Edit: 3/19/2006 2: Save Current Record Close TIRE HISTORY JOURNAL

Tire Management

Company Informat	ion and Settings		
Asset Utilization	Reminders/Gauges	Measures	Тах
Identity	Work Orders/Parts	Insurance	Tires/Tread Depths
mounted on. This is mo motor coach assets. Va	h alert points individually, st useful for monitoring tre rious reports will use thes Pressure: 32 psi Steer Axle Warning at: [Drive Axle	ead wear on power units e tread depth limits. Location: Warehouse	s, semi trailers, and/or
	Warning at:	12 32nds Repla	ace at: 8 32nds
	Free/Tag Ax Warning at:		ace at: 2 32nds
Created: 2/5/20	004 11:20:43 PM by: Syste	m Last Edit: 3/15/200	06 11:48:43 AM by: Unkno
a			OK Cancel

Tire Inventory

	™ Tire Managemen	1				
Tire Inventory	Mount/Dismount	Rotate/Move	•			
Tire ID/SN	✓ =	*				
Tire ID/SN	Location	Brand	Size	Туре	Purchased	· · · · · · · · · · · · · · · · · · ·
NEW01	6789012345678901	Bridgestone	225/75 15	Steel Radia	i 6 Ply 3/19/2006	
_NEW02	6789012345678901	Bridgestone	225/75 15	Steel Radia	il 6 Ply 3/19/2006	
_NEW03	6789012345678901	Bridgestone	225/75 15	Steel Radia	l 6 Ply 3/19/2006	
_NEW04	6789012345678901	Bridgestone	225/75 15	Steel Radia	l 6 Ply 3/19/2006	
_NEW05	6789012345678901	Bridgestone	225/75 15	Steel Radia	l 6 Ply 3/19/2006	
_NEW06	6789012345678901	Bridgestone	225/75 15	Steel Radia	l 6 Ply 3/19/2006	
_NEW07	6789012345678901	Bridgestone	225/75 15	Steel Radia	l 6 Ply 3/19/2006	
_NEW08	6789012345678901	Bridgestone	225/75 15	Steel Radia	l 6 Ply 3/19/2006	
_NEW09	6789012345678901	Bridgestone	225/75 15	Steel Radia	l 6 Ply 3/19/2006	
_NEW10	6789012345678901	Bridgestone	225/75 15	Steel Radia	l 6 Ply 3/19/2006	
_NEW11	Warehouse	Bridgestone	225/75 15	Steel Radia	l 6 Ply 3/19/2006	~
General Tr	acking/Service Journal	Comments				
Current Tire	Status se Location: 6789012345	6789012 Tag No:	L712543 Veh N	o: 387-10	Low Trea	d Warning
Tire ID/SN:	_NEW01	Inactive	Purch Date:	3/19/2006	OE 🗹 Cost: 0.0	0
Туре:	Steel Radial 6 Ply	🖌 🗌 Used	Warr Expires:	112	or at Miles/km: 0	
Manufacturer:	Bridgestone	*	Purch Mileage:	0	Miles/km on Tire: 68	06
Size:	225/75 15	*	i) Vendor:	Tires Plus, Inc.		*
			Contact Name	Ben F. Kina	Phone: 777-555-	4444

Mount/Dismount

Tire Inven	tory Mo	unt/Dismoun	it Rot	ate/Move				
Veh No🔺	Tag No	Unit No	Year	Make	Model	Type/Sty	le I VIN I	(j) Mount/Dismount
101	101	101	2004	CAT	EC25KE	Lift Truck	-E 0987	4
112-9	CKG 881	Fox-51	2005	Dodge	Neon	Coupe	7890	To Mount a tire, drag the selected
387-10	L712543	Baker-44	2004	Ford	F-550	Box Truck	< 6789	tire from the lower list and drop it onto the needed wheel position.
488-5	J908871	Baker-31	2004	Ford	E-250	Van	4567	
545-5	K616755	Able-16	2004	Ford	E-250	Van	3456	To Dismount a tire, drag it from its current wheel position and drop it
555-6	ABC 123	Able-22	2005	Ford	F-150	Pick Up	2345	into the lower list area.
665-5	J889173	Easy-52	2002	Ford	E-250	Van	1234	_
941-5	K598473	Baker-21	2000	Ford	E-250	Van	0123	= Position Available
989-5	K665651	Charlie-10	2004	Ford	E-250	Van	5678	💡 = Position Selected
<							>	= Tire Already Assigned
Available	e Tires							-
Tire ID/SN	Loc	ation	Brand		Size		Туре	VIN: 67890123456789012
_NEW11	Wa	rehouse	Bridges	tone	225/751		Steel Rad	Axle - Wheel: -
_NEW12	Wa	rehouse	Bridges	tone	225/751	5	Steel Rad	
_NEW13	Wa	rehouse	Bridges	tone	225/751	5	Steel Rad	Axle/Wheel Configuration
_NEW14	Wa	rehouse	Bridges	tone	225/751	5	Steel Rad	
_NEW15	Wa	rehouse	Bridges	tone	225/751	5	Steel Rad	
_NEW16	Wa	rehouse	Bridges	tone	225/751	5	Steel Rad	
_NEW17	Wa	rehouse	Bridges	tone	225/751	5	Steel Rad	
_NEW18	Wa	rehouse	Bridges	tone	225/751	5	Steel Rad	

Rotate/Move

Tire Inven	tory Mo	ount/Dismount	Rot	ate/Move							
Veh No🔺	Tag No	Unit No	Year	Make	Mod	Axle-Wheel	^	Tire ID/SN	1	32nds	psi
101	101	101	2004	CAT	EC2!	1-Lo		○I_NEW02		16	32
112-9	CKG 881	Fox-51	2005	Dodge	Neor	1-Ro		OL_NEW06		17	32
387-10	L712543	Baker-44	2004	Ford	F-55	2-Li		OL_NEW04		14	32
488-5	J908871	Baker-31	2004	Ford	E-25	2-Lo		○ _NEW09		20	- 32
545-5	K616755	Able-16	2004	Ford	E-25	2-Ri	v	NEW03		16	32
555-6	ABC 123	Able-22	2005	Ford	F-15	20-	_	AL MENJOR		17	22
665-5 941-5	J889173 K598473	Easy-52 Baker-21	2002 2000	Ford Ford	E-25 E-25	 Rotat 	ting	Tire Positi	ons		
989-5	K665651	_	2004	Ford	E-25			Up and Move : over, Update	e tire pressur	e and tread (depth
]	by editing save the r Reset	otat	ion data.	. Click Save R		
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<					>	by editing save the r Reset VI Dat Odomete Co:	otat N: 6 ee: 1 ee: 3 st: 0 3y: 2	ion data. 7890123450 1/26/2007 34606).00	Move L 5789012 12 Recor Order No: O Total	Jp Move rd Work Orde	Dow

Integrasia Utama Profile

Background :

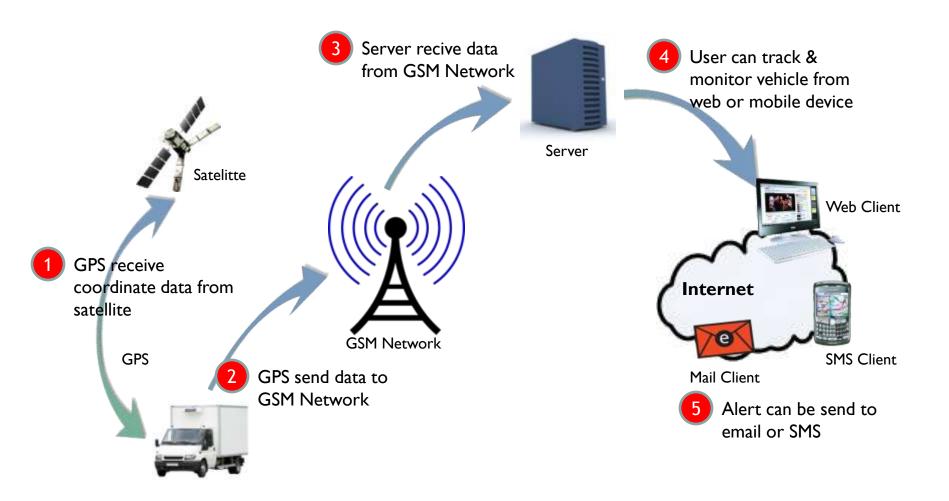
This company which has been established since 2001, started its business in remote sensing and Geographic Information System. As the time passing, PT. Integrasia Utama has become one of the best company which can offer total solution to Indonesia society. In 2006, we expand our portfolio to service Logistic Industry with fundamental software, we develop we called OneSpirits. In 2007, we complete solution with RFID technology.



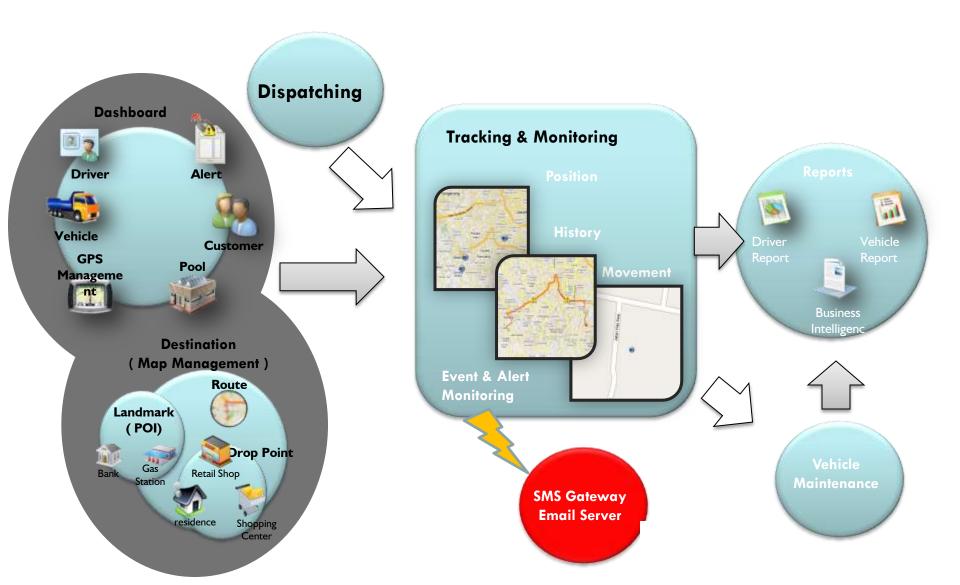
What is One Spirits Logistics

- One Spirit Logistics is a Transportation Management System solution for vehicle and vessel
- One Spirit Logistics is built to integrate key operational aspects on logistics business process such as TRANSPORT & Dispatching Management, GPS Tracking & Monitoring and Reporting
- One Spirits Logistic is a registered Indonesian product with the ability to be customized according to the user requirements
- One Spirit Logistics was developed as an open system that can be connected with a wide range of GPS Tracking Hardware and any existing system

How GPS works



How Software Works



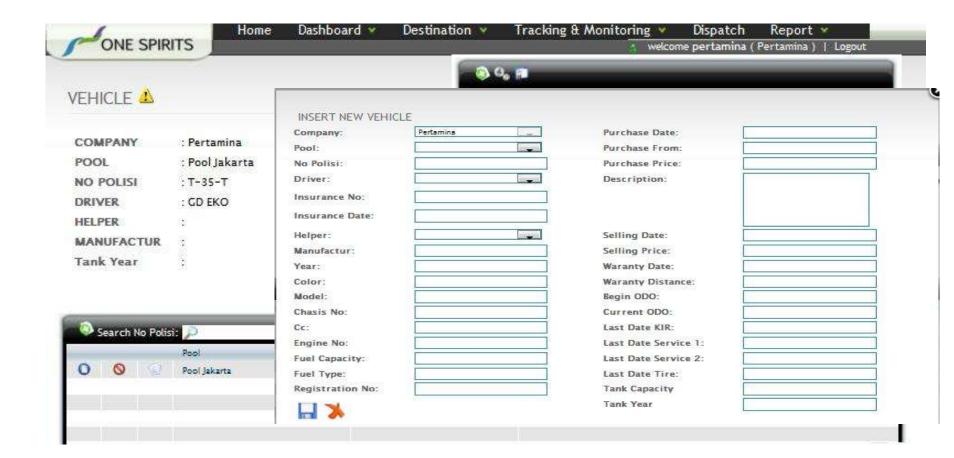
More than just a tracking system

- □ Enhance vehicle utilization
- Enhance on time delivery
- Customer satisfaction
- KPI for driver , being parameter for reward & punishment implementation
- Oslog designed on modular basis
- Oslog middleware can be integrated to enterprise system
- Oslog made by Integrasia, so can be customized easily

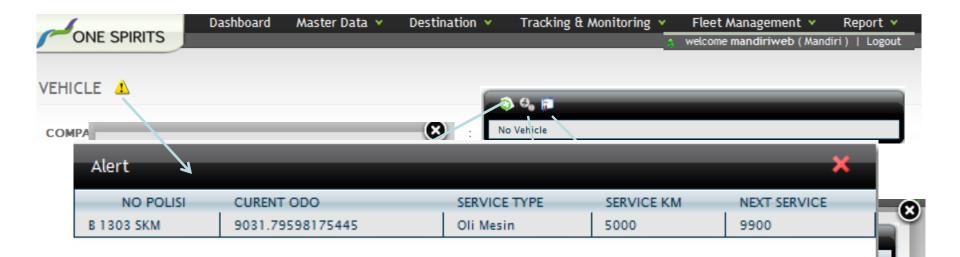
MASTER DATA

Page 34

UNE	SPIR	115				🛔 welcome per	rtamina (Pertamina)	Logout
IVER 4	5		INSERT NEW DF	IVER Pertamina		RFID		
		Perta GD E		1 / 61 (211)			×	
STNAM	i :	CASDIR	FULLNAME	LICENCE EXP DATE 07 Jun 2011	PHONE NO 0987654	MOBILE NO	ADDRESS	
RSTNAM			ARMAYANTO	02 May 2011				
D		CHARLE	S TAMBUNAN	15 May 2011				
Search I)river I	łame: 🔎	Phone: Hired Date:			Mobile Phone: Resign Date:		
1.00	2	Name	Status:	(2005)		Jpload Picture:		Bro
0	NAS I	GD EKO						bio
0	1	Roy Suryo	Licence Type:					
			Resign Reason					



Vehicle Maintenance



SERVICE TYPE	DATE	ODO METER	NEXT ODO SERVICE
Oli Mesin	01 Mar 2011 00:00 00	4900	9900

Master Data Pool

ONE SPIRITS	Home Dashboard		 Dispatch Report pertamina (Pertamina) Logout
NSERT NEW PO	DL	bard kal	The will
Company:	Pertamina		CAL SY
Area:	Jakarta	Pangkal Pinang	1.86
Pool Name:		kayPalembang Tanjung Pandan	and it
Longitude:	106.8020		
Latitude:	-6.2787	Manggala	
Address:	F	Bandar Lampung	
PIC Name: PIC Phone: Remark:			Rembang Semarang Surabaya Yogyakarta Pasuruan Deng
Wilayah Waktu: City: Active:			
		200 km	Scale = 1 :

Master Data Customer

USTOMER		INSERT NEW CUSTOMER	Bank Account Name:	
COMPANY : Pertamina CUSTOMER NAME : Customer 1 CIP CODE : 200987 S BLACKLIST		Customer Name: Zip Code: Address:	Register Date: UnRegister Date: Remark:	
Search Customer Name: D		Phone: Fax: Nobile Phone: Bank Account No: PIC Name: PIC Phone:	Longitude: Latitude: Blacklist? Upload Picture:	106.8330 -6.1759
Customer Customer 1 Customer 2		PIC Mobile Phone:		
D O Kapten tendean		8798.18171		
D 🛇 🟹 Kali Malang	•	III.		
		2 km 2 mi	1.377 · 5 · 56 · \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	icale = 1 : 144K 022, -8.21435

Dispatching Management

OSLog Features

Dispatch Management

- Delivery Administration
- Driver Assignment
- Vehicle Assignment
- Delivery Destination & Routing
- Scheduling



\Box By this feature :

We can manage vehicle distribution planning and scheduling.

Dispatching Management

ONE SPIRIT	Home Dashboard v	Destination 👻 Tracking & Monitoring 👻 Dispatch	Report 👻		👔 welcome pertamina (Pertamina) Lo
28 Sep 201	10 Company: Pertamina 🖵 Pool	: Depot Pada 📕 GO View All Order View Cancel Order			🛕 28 Sep 2010 5:4
3 5:00 2-AC	06:00 07:00 08:00 9:0 Мели и Distance 17в КМ 148.66 КМ	Perencanaan Waktu Pengiriman	Keterlambatan	3:00 19:00 20:00 stance 84 KM	Vehicle Status Pa 21 Actual Pengiriman (Dari Data GPS) VTD IME : 3539760134 Sim Card : PN-0081 Location : RADAL #RAME
d -	₩ ◀ ▶ ₩ 1/1	₩ <u>100%</u>)	•	<u>^</u>
ONE	SPIRITS			amina Jalan	Ξ
No. F	PO : SPJ/09				
Vehic Drive	cle : (1998-42MAX er :	20/0013 Departure Time : 2 Arrived Time : 2 Actual Departure Time 2 Actual Arrived Time : 2	8 Sep 2010 16:4 8 Sep 2010 19:4 8 09 2010 16:43 8 Sep 2010 19:4	3:00 7:00 :00 7:00	
No	No. PO	Customer		uel (Litre)	
1	3443201	Joseph Sendjaya		16,000.00	
. <u> </u>			·		-

Tracking & Monitoring

OSLog Features

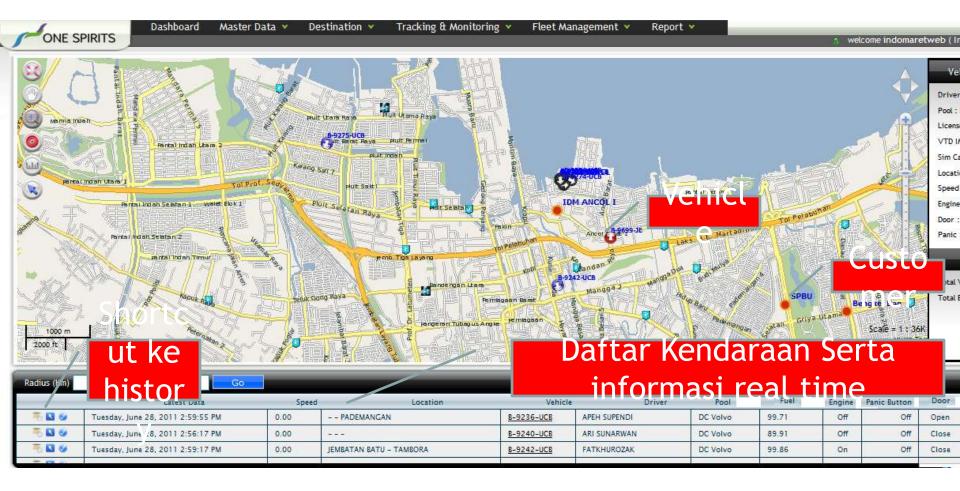
Vehicle Tracking & Monitoring

- Last Position Status
- Travel History
- Replay Travel History
- Travel Duration and Distance
- Accessible by mobile devices
- Integrated with our Indonesia and Google Map

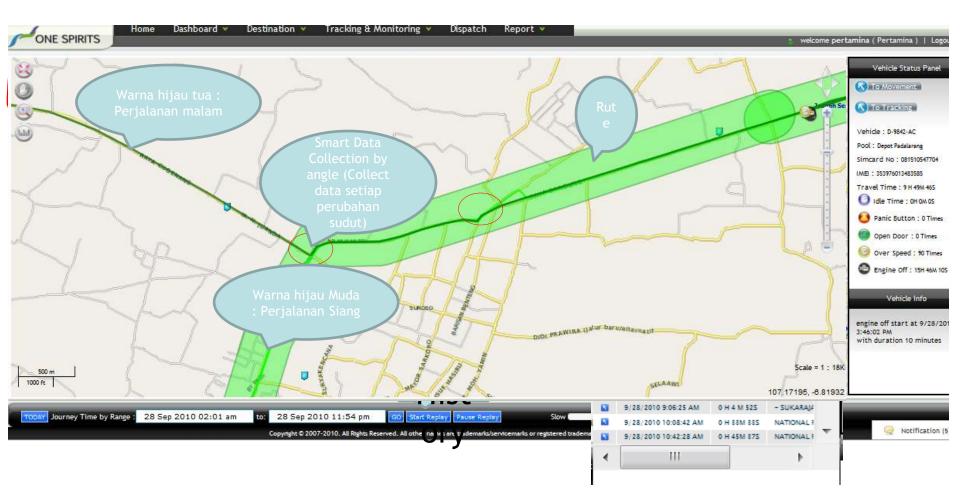


\Box By this feature :

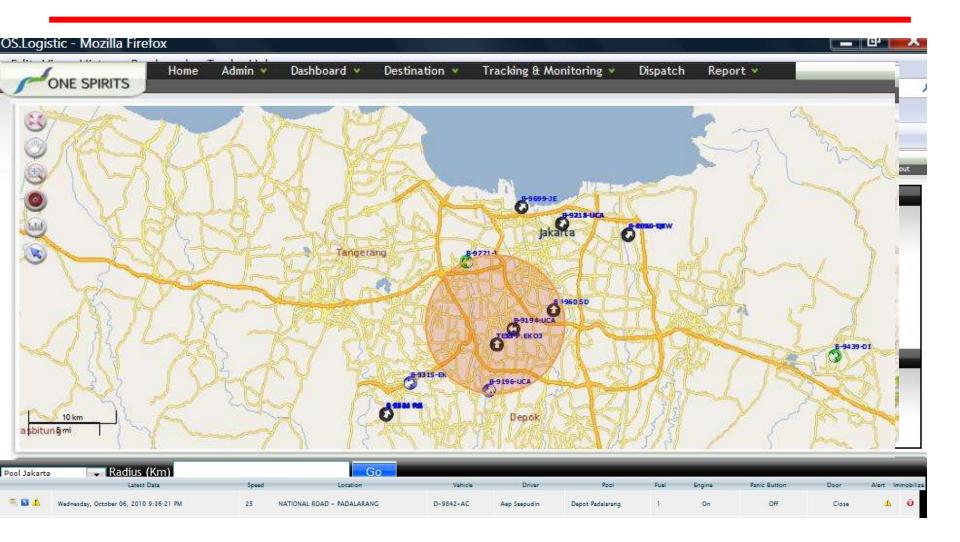
- We can monitor all vehicle journey in realtime.
- We can analyze all vehicle journey based on data history.
- We can analyze affectivity of vehicle operational.



History Management



Others Features



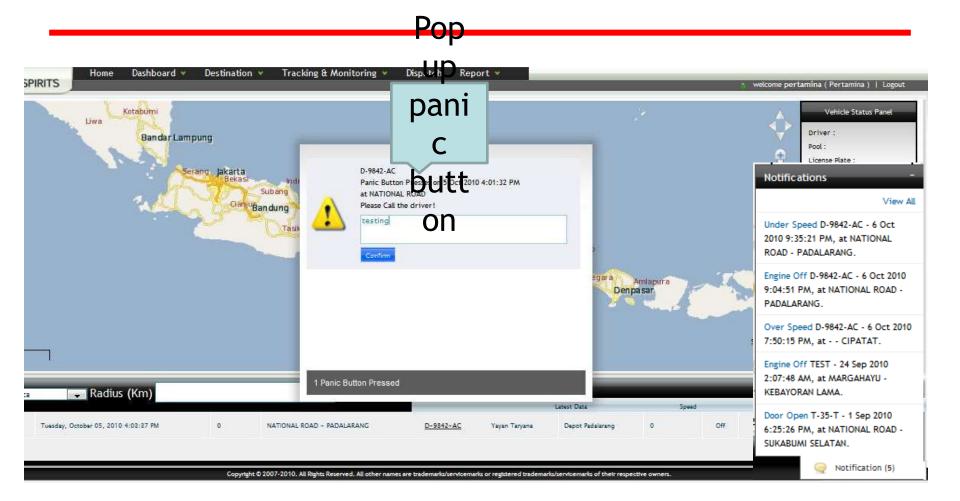


🖿 Event & Alert Managemen 🕰

✓ This is for such an early warning due any defined event violation, such as : Route Violation, Idle Engine, Temperature, Stop Violation, Over Speed, Door Open Violation, etc.

By this feature:

We know what should we have to do to minimize risk.





Report

- ☑ Daily Activity Report
- Detail Driver Journey
- Driver Behaviour

Vehicle & Driver Activity

ONE SPIRITS	Home	Admin 👻	Dashboard	*	Destination 👻	Tracking (£ Monitoring ♥ ▲ welcome	Fleet Manage oslog (Integrasia
Report : Driver Violatio 🛩	Date From :	9 Dec 2010	12:00 am	To	9 Dec 2010 11:	59 pm	Company: Indom	aret 👻 👩
	1/1	9		66	100%	*		

ONE SPIRITS

Indomaret

DATE : 9 Dec 2010 12:00 am To 9 Dec 2010 11:59 pm

POOL : Daan Mogot

No	Nama Driver		n Door 50		ILE 15		ne Off 15		Speed o	Т	otal
1	Nefo	Freq :	2	Freq :	1	Freq :	2	Freq :	3	Freq :	8.00
50	destruides 112	Score :	100.00	Score :	15.00	Score :	30.00	Score :	30.00	Score :	175.00
2	Santo	Freq :	-11	Freq :	8	Freq :	14	Freq :	6	Freq :	39.00
		Score :	550.00	Score :	120.00	Score :	210.00	Score :	60.00	Score :	940.00
3	Herman	Freq :	0	Freq :	0	Freq :	0	Freq :	0	Freq :	0.00
		Score :	0.00	Score :	0.00	Score :	0.00	Score :	0.00	Score :	0.00

Ready Integrated Sensor

External sensors :

- Temperature Sensor
- ☑ Door Sensor
- ☑ Engine Status Sensor
- Panic Button
- Fuel Sensor
- Immobilizer

Vehicle Report

Total C	Customer Msited : 7	7 Total Ritase	: 3		Total Trav	rel Distance :	90.29	КМ	
Open (tax Durantion : DoorMax : 3 ≥OffMax Durantion : β	2 St	Aax at Customer : Idm. An	tra Garden 5 Igkur ambu Larang		rel Duration :	7 H 10M 21S		
No	Customer Name	Location	START TIME END TIME	Distance (KM)	\visit (hh:mm:ss)	ldle (hh:mm:ss)	Engine Off (hh:mm:ss)	Door Open (hh:mm:ss)	Number of Open Door
	Rit 09 Dec 2010 8:44:01 +	09 Dec 2010 13:01:40							
1	ldm. Citra Garden 5	KALIDERES	09 Dec 2010 9:40:57 09 Dec 2010 10:01:53	23.98	0 H 21M 56S		0 H 19M 44S	0 H 15M 29S	1
2	ldm. Citra Garden 3	· · · KALIDERES	09 Dec 2010 10:07:11 09 Dec 2010 10:43:51	1.61	0 H 36M 40S		D H 36M 18S	0 H 49M 29S	2
3	ldm. Taman Surya	KALIDERES	09 Dec 2010 10:56:21 09 Dec 2010 11:22:43	2.63	0 H 26M 22S		0 H 26M 49S	0 H 22M 45S	
4	ldm. Bambu Larangan	· · · KALIDERES	09 Dec 2010 11:25:17 09 Dec 2010 12:05:45	0.42	0 H 40M 28S	265	D H 38M 28S	0 H 28M 22S	2
	Total		Back to POOL	20.44 48.44	2H 3M		1H 59M	1H 54M	6
	Rit 09 Dec 2010 14:13:25 +	09 Dec 2010 14:42:02							
5	On Travel	PADEMANGAN	09 Dec 2010 14:14:47 09 Dec 2010 14:31:39	0.57	0 H 17M 52S	0 H 14M 5 S	0 H 3 M 25 S	D H 1 M 18S))
6	On Travel	LODAN RAYA PADEMANGAN	09 Dec 2010 14:35:01 09 Dec 2010 14:37:16	1.42	0 H 2 M 15S		0 H 2 M 3 S	0 H 1 M 2 S	1
	Total		Back to POOL	2.93 3.93	0H 18M	0H 14M	OH 4M	OH 2M	2
	Rit 09 Dec 2010 20:08:48 +	09 Dec 2010 22:31:53							
7	ldm. Pulomas Barat 1	PULO MAS CEMPAKA PUTIH	- 09 Dec 2010 20:45:48 09 Dec 2010 21:14:21	18.21	0 H 29M 33S		0 H 29M 15S	0 H 23M 7 S	1
8	ldm. Angkur	TANAH MAS RAYA - PULO GADUNG	09 Dec 2010 21:20:08 09 Dec 2010 21:44:37	2.61	0 H 24M 29S		0 H 22M 16S	0 H 17M 41S	3
9	ldm. H.Ten	CEMPAKA PUTIH	09 Dec 2010 21:46:57	0.14	0 H 23M 42S		0 H 23M 19S	0 H 26M 7 S	3

Driver Report

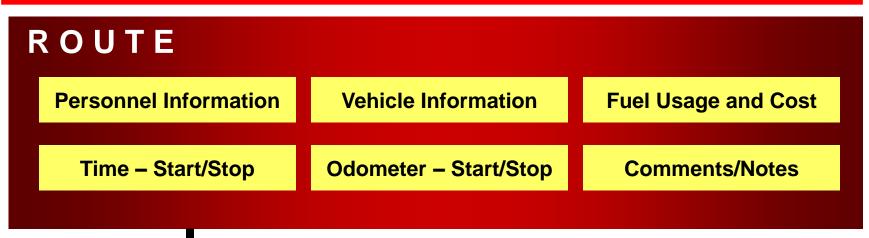
		Dachhaard	Hactor Data N. Docti	ination of Tracking 9	Honitoring v Elect Name		
	Dashboard	MasterData 👻	Destination 👻	Tracking & Mon	itoring 👻 🛛 Fleet Ma	nagement 👻 👘 Rep	ort 🖌
ONE SPIRITS							
Report : Ritase	Date From :	01 Jun 2011 12:00 am	To : 30 Jun	2011 11:59 pm	Company: Indomaret	🚽 Pool: DC Volv	o 🚽 GO
			A 100%				
🖶 🚝 К 🔹 🕨 М	1/51	5	100%	•			
			рт				
ONE SPIRITS				-			
UNE SPIRITS			Driver De	estination Report			

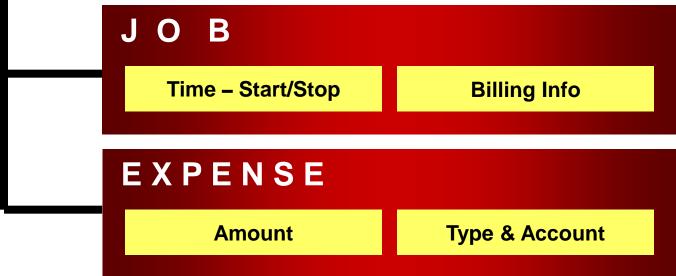
DATE 01 Jun 2011 12:00 am To 30 Jun 2011 11:59 pm POOL

DC Bekasi

No	Vehicle	Ritase Start	Unloading1	Unloading2	Unloading3	Unloading4	Unloading5	Ritase End
			•					
1	Abdullah	01 Jun 2011 0:32:38	Unloading at BEKASI TIMUR RAYA - MATRAMAN	-	-	-	-	01 Jun 2011 1:34
2	Abdullah	01 Jun 2011 2:07:10	Unloading at K.H. WAHID HASYIM - TANAH ABANG	-	-	-	-	01 Jun 2011 3:34
3	Abdullah	01 Jun 2011 6:25:50	Unloading at HIDUP BARU - SAWAH BESAR	-	-	-	-	01 Jun 2011 8:42
4	Alam S P	01 Jun 2011 6:28:23	Unloading at GUNUNG SAHARI - TAMANSARI	-	-	-	-	01 Jun 2011 7:31
5	Ahmad J	01 Jun 2011 6:29:33	SPBU at GRIYA UTAMA - PADEMANGAN	Unloading at KOJA	Unloading at PLUMPANG SEMPER - KOJA	Unloading at PLUMPANG SEMPER - KOJA	Unloading at PLUMPANG SEMPER - KOJA	01 Jun 2011 9:27
6	A Naipah	01 Jun 2011 <u>8:30:31</u>	Unloading at KRAMAT	Unloading at TUGU	Unloading at CILINCING	SPBU at GRIYA UTAMA -		01 Jun 2011 9:39

Simplified Route Information Structure

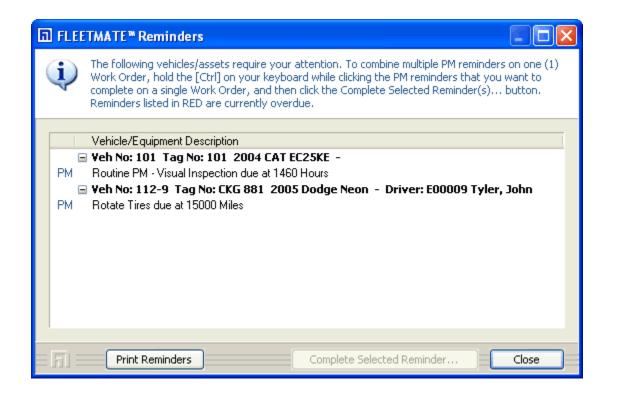




REMINDER

- A reminder is created to alert us at some point in the future that something that needs our attention.
- While the reminder has not yet been completed, it stays in a pending state, waiting for a date and/or odometer value to be met.
- Once the date and/or odometer value is met, the reminder is triggered, and is considered Due.
- The reminder then appears in the Reminder window, waiting for you to complete it.
- The reminder will remain due indefinitely, waiting for completion.

Automatic Maintenance Reminders



Reminder Status Gauges

Status	Description	Due At	Due By
	Inspect Brakes / Fluid Level / Cables and Linings	n/a	6/28/2005
	Lube Oil and Filter	18099 Miles	n/a

SCHEDULED REMINDERS

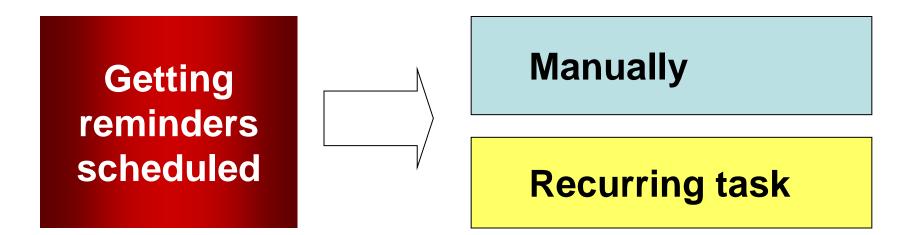


Helping ensure that important preventive maintenance tasks are completed on time

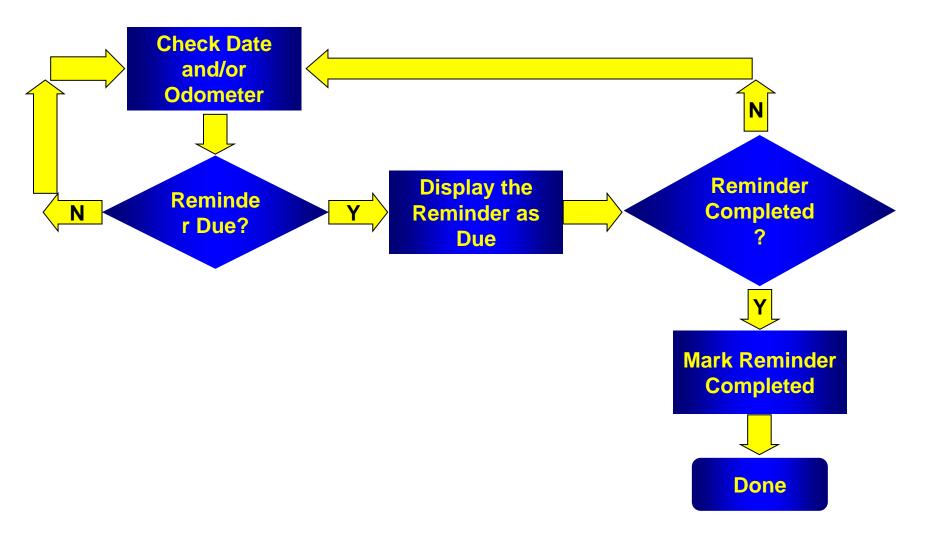
For other items:

- Insurance premiums
- Vehicle inspections
- Registration renewal
- etc.

Scheduled Reminders



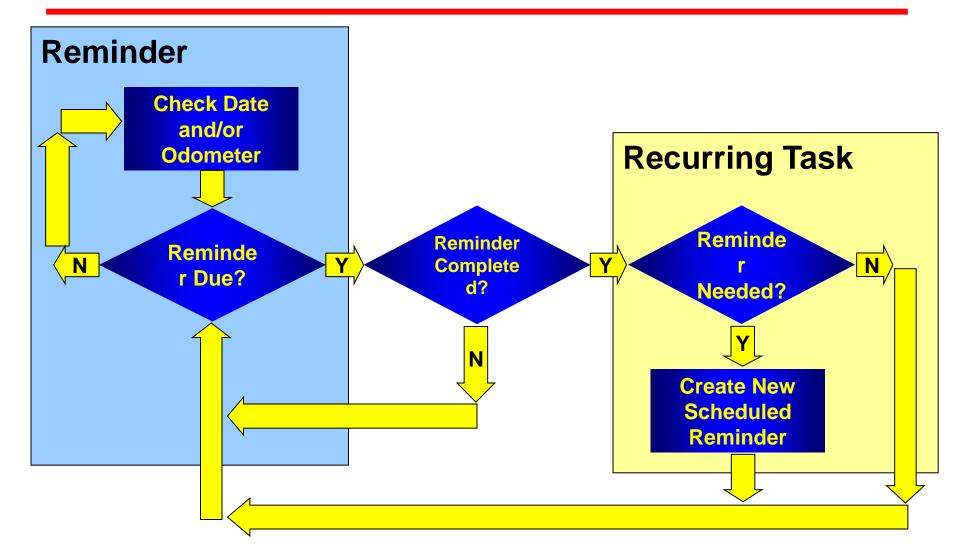
Simplified Reminder Process



Setup Vehicle Reminders: SCHEDULED REMINDERS

Vo Polisi	Veh No	Make	VIN▲		Unit No	Year	Model	Type/Style	
(598473	941-5	Ford	01234	56789	Baker-21	2000	E-250	Van	
01	101	CAT	09876	54321	101	2004	EC25KE	Lift Truck - Electr	ric
1889173	665-5	Ford	12345	67890	Elasy-52	2002	E-250	Van	
ABC 123	555-6	Ford	23456	78901	Able-22	2005	F-150	Pick Up	
K616755	545-5	Ford	34567	89012	Able-16	2004	E-250	Van	
J908871	488-5	Ford	45678	90123	Baker-31	2004	E-250	Van	
K665651	989-5	Ford	56789	01234	Charlie-10	2004	E-250	Van	
L712543	387-10	Ford	67890	12345	Baker-44	2004	F-550	Box Truck	
CKG 881	112-9	Dodge	78901;	23456	Fox-51	2005	Neon	Coupe	
Schedule	ed Remind	ers Recurrin	ng Tasks					Rigi	ht-Click
Schedule	d Remind	ers Recurrin	ng Tasks					Rigi	ht-Click
▲	Due Ati	Due Byl S	itatus	Ty			Reminder De	Rigi	ht-Click
▲ © 2	Due Atl 42606	Due By S 4/17/2007 P	itatus Pending	Ty Sc	heduled Pl		Rotate Tires		ht-Click
	Due At 42606 49606	Due Byl S 4/17/2007 P 10/17/2007 P	Status Pending Pending	Ty Sc Sc	: heduled Pl heduled Pl	M	Rotate Tires Lube Steerin	g Linkage	ht-Click
	Due At 42606 49606 54606	Due By S 4/17/2007 P 10/17/2007 P 10/17/2007 P	Status Pending Pending Pending	Ty Sc Sc Sc	: heduled Pl heduled Pl	vi vi	Rotate Tires Lube Steerin Check/Repla	g Linkage ace Brake Pads/Sh	nt-Click
	Due At 42606 49606 54606 59606	Due By S 4/17/2007 P 10/17/2007 P 10/17/2007 P 10/17/2008 P	Status Pending Pending Pending Pending	Ty Sc Sc Sc	heduled Pl heduled Pl heduled Pl heduled Pl	м м м	Rotate Tires Lube Steerin Check/Repla Cooling Syste	g Linkage ace Brake Pads/Sh em Flush	nt-Click
	Due At 42606 49606 54606 59606 64606	Due By S 4/17/2007 P 10/17/2007 P 10/17/2007 P 10/17/2008 P 10/17/2008 P	Status Pending Pending Pending Pending Pending	Ty Sc Sc Sc Sc	: heduled Pt heduled Pt heduled Pt heduled Pt	ง ง ง ง	Rotate Tires Lube Steerin Check/Repla Cooling Syste Change Tran	g Linkage ace Brake Pads/Sh em Flush smission Fluid	nt-Click
	Due Atl 42606 49606 54606 59606 64606 64606	Due By S 4/17/2007 P 10/17/2007 P 10/17/2007 P 10/17/2008 P 10/17/2008 P 10/17/2008 P 10/17/2009 P	Status Pending Pending Pending Pending Pending Pending	Ty Sc Sc Sc Sc Sc	: heduled Pf heduled Pf heduled Pf heduled Pf heduled Pf	พ พ พ พ	Rotate Tires Lube Steerin Check/Repla Cooling Syste Change Tran Replace Spa	g Linkage ace Brake Pads/Sh em Flush ismission Fluid rk Plugs	noes
4000000000	Due Atl 42606 49606 54606 59606 64606 64606 64606	Due By S 4/17/2007 P 10/17/2007 P 10/17/2007 P 10/17/2008 P 10/17/2008 P 10/17/2009 P 10/17/2009 P	Status Pending Pending Pending Pending Pending Pending Pending	Ty Sc Sc Sc Sc Sc Sc	: heduled Pf heduled Pf heduled Pf heduled Pf heduled Pf heduled Pf	พ พ พ พ พ	Rotate Tires Lube Steerin Check/Repla Cooling Syste Change Tran Replace Spa Replace Air F	g Linkage ace Brake Pads/Sh em Flush Ismission Fluid Irk Plugs Filter	ioes
	Due Atl 42606 49606 54606 59606 64606 64606	Due By S 4/17/2007 P 10/17/2007 P 10/17/2007 P 10/17/2008 P 10/17/2008 P 10/17/2008 P 10/17/2009 P	Status Pending Pending Pending Pending Pending Pending Pending Pending	Ty Sc Sc Sc Sc Sc Sc	: heduled Pf heduled Pf heduled Pf heduled Pf heduled Pf	ง ง ง ง ง ง ง	Rotate Tires Lube Steerin Check/Repla Cooling Syste Change Tran Replace Spa Replace Air F	g Linkage ace Brake Pads/Sh em Flush Ismission Fluid rk Plugs Filter lace Drive Belt	noes

Simplified Recurring Tasks and Reminder Process



Setup Vehicle Reminders: RECURRING TASKS

	ip vei	hicle Remi	inders					
No Polisi	l Veh No	Make	VIN▲	Unit No	Year	Model	∣Type/Style	
K598473	941-5	Ford	0123456789	Baker-21	2000	E-250	Van	
101	101	CAT		101	2004	EC25KE	Lift Truck - E	Electric
J889173	665-5	Ford	1234567890	-	2002	E-250	Van	
ABC 123	555-6	Ford	2345678901	= ==	2005	F-150	Pick Up	
K616755	545-5	Ford	3456789012		2004	E-250	Van	
J908871	488-5	Ford	4567890123		2004	E-250	Van	
K665651	989-5	Ford	5678901234			E-250	Van	
L712543	387-10	Ford	6789012345		2004	F-550	Box Truck	
CKG 881	112-9	Dodge	7890123456	Fox-51	2005	Neon	Coupe	
	d Reminde		ı Tasks		A logi			David Marial
Туре		Task Description			▲ kmi			
Type Schedu	led PM	Task Description Lube Steering Link	kage		15000			12
Type Schedu Schedu	iled PM iled PM	Task Description Lube Steering Link Check/Replace Bi	kage rake Pads/Shoe:	8	15000 20000			12 12
Type Schedu Schedu	iled PM iled PM iled PM	Task Description Lube Steering Link Check/Replace Bi Cooling System Flu	kage rake Pads/Shoe: µsh	8	15000 20000 25000			12 12 24
Type Schedu Schedu Schedu Schedu	iled PM iled PM iled PM iled PM	Task Description Lube Steering Link Check/Replace Br Cooling System Flu Inspect/Replace D	kage rake Pads/Shoe: µsh	S	15000 20000 25000 30000			12 12 24 36
Type Schedu Schedu Schedu Schedu Schedu	iled PM iled PM iled PM iled PM iled PM	Task Description Lube Steering Link Check/Replace Bi Cooling System Flu Inspect/Replace D Replace Air Filter	kage rake Pads/Shoe: ush Drive Belt	8	15000 20000 25000 30000 30000			12 12 24 36 36
Type Schedu Schedu Schedu Schedu Schedu Schedu	iled PM iled PM iled PM iled PM iled PM iled PM	Task Description Lube Steering Link Check/Replace Bi Cooling System Flu Inspect/Replace D Replace Air Filter Replace Spark Plu	kage rake Pads/Shoe: ush Drive Belt ugs	S	15000 20000 25000 30000 30000 30000			12 12 24 36 36 36
Type Schedu Schedu Schedu Schedu Schedu Schedu Schedu	iled PM iled PM iled PM iled PM iled PM iled PM	Task Description Lube Steering Link Check/Replace Bi Cooling System Flu Inspect/Replace D Replace Air Filter Replace Spark Plu Change Transmiss	kage rake Pads/Shoe: Joh Drive Belt Jags ion Fluid	S	15000 20000 25000 30000 30000			12 12 24 36 36
Type Schedu Schedu Schedu Schedu Schedu Schedu Schedu Schedu	iled PM iled PM iled PM iled PM iled PM iled PM iled PM	Task Description Lube Steering Link Check/Replace Bi Cooling System Flu Inspect/Replace D Replace Air Filter Replace Spark Plu	kage rake Pads/Shoe: ush Drive Belt ugs ion Fluid ning Belt	8	15000 20000 25000 30000 30000 30000 30000			12 12 24 36 36 36 24
Type Schedu Schedu Schedu Schedu Schedu Schedu Schedu	iled PM iled PM iled PM iled PM iled PM iled PM iled PM	Task Description Lube Steering Link Check/Replace Br Cooling System Flu Inspect/Replace D Replace Air Filter Replace Spark Plu Change Transmiss Replace Drive/Tim	kage rake Pads/Shoe: ush Drive Belt ugs ion Fluid ning Belt	\$	15000 20000 25000 30000 30000 30000 30000 60000			12 24 36 36 36 24 60