



### Taking off the blinders; How GPS technology will help you take control of your business

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## **Kerr Global Communications**

Kerr Global Communications is part of the Kerr Group of companies; a Maritime owned and operated company with our head offices in Dartmouth N.S. Canada. Established in 1997, the company has grown to over 170 employees located in seven offices across Canada.

At Kerr Global Communications, we focus exclusively on fleet tracking solutions and consulting. We have a dedicated team of hardware and software technicians as well as a technical support department. With our technical team and servers based locally, we can ensure that our customers are always maximizing their investment with no unnecessary system down time.

# The Technology

Geotab was first founded in 1996 and supports its North American customers and dealers from its corporate office in Toronto, Canada. Geotab is established in more than 50 countries, and is at the forefront of fleet and resource management technology.

Geotab is an end-to-end developer of both the devices that are installed in the vehicles as well as the software that you use to report activity. With Fortune 500 companies as customers utilizing Geotab technology across tens of thousands of vehicles, Geotab has proven it has a robust system that can be relied on by companies with fleets of all sizes around the world

# **Key Benefits**

#### Improved employee productivity

- Real-time vehicle location
  - Selection of most appropriate vehicles for real time dispatching
  - Reduction in calls to drivers
  - Ensure employee safety
- Reduced clerical work for drivers
  - Engine fault code and summary information in real time
  - Mileage information in real time (Including inter-Province tax information)
  - Required vehicle maintenance information in real time
- Route efficiency opportunities
  - Ability to do post mortems on routes to find efficiency gains
  - Vehicle utilization reports will help determine fleet efficiency
  - Ability to analyze stop time patterns

# **Key Benefits - continued**

#### **Reduced costs**

- Payroll savings
  - Validation of time sheet and overtime claims
  - Increased productivity
- Vehicle running cost reduction
  - Reduced unauthorized mileage
  - Reduced fuel consumption
  - Reduced vehicle maintenance costs

#### Brand image

- Enhanced customer service
- Reduction in speeding, idling, vehicle parked at negatively viewed establishments
- Positive impact on the environment (Company has smaller environmental negative footprint)

# **Key Benefits - continued**

## **Reduced costs**

- Insurance Savings
  - Promoting Safe driving habits lowers accidents
  - Ability to get detailed information when accidents do take place
  - Higher chance of reclaiming stolen vehicles

## Accountability with customers

- Proof of visits
- Proof of kilometres travelled
- Proof of work completed (PTO connections)

## **Return on Investment**

Our monitoring fees fall well below \$2 a day per vehicle. To achieve a return on the monthly investment, very little improvement is needed, after that, it's profit!

#### **Reduce needless idling:**

Idling costs about \$5/hour for a light vehicle and about \$15/hour for a heavy vehicle.

To see return on a \$2 investment, users must simply cut needless idling by: 24 minutes per day for a light vehicle 8 minutes per day for a heavy vehicle

#### **Reduced needless kilometres:**

To see return on a \$2 investment with a vehicle that uses 10 L/100 km (equivalent to a Honda Accord) users simply have to cut 20 km of needless driving.

#### **Efficient routing:**

To see return on a \$2 investment, an employee who makes \$20/hour simply needs to cut 6 minutes per day on their driving route.

## Raw Data – You own it!



# **Case: Wilsons Delivery**



Imported all WF customers into GPS db, dispatchers know the progress of each driver in real-time.
Auto-geofence customer from Info-Sys
Hover over to see Info-Sys customer number
Real-time or passive stops and deliveries list

LSONS

	N/	<b>W</b>	V	V	V	V	N/	N/	N/	N.	N/	N/	N7		V		
DRIVER	TRUCK	DEL DATE	FIRST DEPARTURE	LAST ARRIVAL	DRIVING TIME	STOP TIME	км	PUMP TIME	VOL	# DEL	MAX SPEED	ENGINE IDLING	PAY HRS	PAY OT	Actual Time	Expt. TIME	SAVED /WAS TED
DAVE SMITH	10-06	09-Jan-10	6:13 AM	5:37 PM	4.65	6.75	167	3.0	43,504	19	103	2.35	8.00	3.0	11.4	12.05	0.65
MONTY CAMPBELL	04-14	09-Jan-10	12:18 PM	8:50 PM	3.24	5.29	121	0.5	7,543	5	100	1.62	8.00	3.0	8.53	6.31	-2.22
DUNCAN MACDONALD	02-05	08-Jan-10	6:20 AM	11:50 PM	8.38	9.11	264	1.3	18,679	34	98	4.5	8.00	3.0	17.49	15.98	-1.51
Greg Hillier	02-05	08-Jan-10	6:20 AM	11:50 PM	8.38	9.11	264	1.3	19,401	11	98	4.5	8.00	2.0	17.49	13.5	-1
Steven Fulop	98-08	08-Jan-10	6:09 AM	2:12 PM	3.72	4.32	151	1.4	19,877	24	100	1.67	8.00	2.0	8.04	9.84	1.8
Ron O Leary	02-09	08-Jan-10	12:18 AM	5:48 PM	4.48	13.02	134	1.5	21,689	39	94	3.73	0.00	4.0	17.5	15	2.5
KEVIN OBRISTCH	07-10	08-Jan-10	7:25 AM	3:13 PM	3.68	4.13	162	1.2	16,713	8	111	1.23	8.00	2.0	7.81	7.8	-0.01
DAVE SMITH	10-06	08-Jan-10	7:25 AM	6:04 PM	4.48	6.16	121	0.0	0	2	90	3.80	8.00	1.0	10.64	6.79	-3.85
Tony Rossong	10-06	08-Jan-10	7:25 AM	6:04 PM	4.48	6.16	121	1.5	20,991	16	90	2.34	8.00	5.6	10.64	9.87	-0.77
BRUCE CUDMORE	03-12	08-Jan-10	12:19 AM	2:44 PM	4.86	9.55	194	2.2	31,731	19	112	2.46	8.00	1.0	14.41	11.41	-1
MONTY CAMPBELL	04-14	08-Jan-10	7:30 AM	5:56 PM	3.33	7.09	100	3.6	51,232	46	103	1.27	4.00	3.0	10.42	14.13	3.71
RICHARD RAFUSE	05-15	08-Jan-10	7:27 AM	5:10 PM	4.32	5.4	99	2.8	40,219	29	111	1.80	8.00	4.0	9.72	12.54	2.82

# **Case: Wilsons Service**





•Customer disputes are resolved very quickly since stop time history (by service truck) is captured for each imported customer.

•Techs can't overcharge customer or Wilsons!



ТЕСН	TRUCK	CALL DATE	FIRST DEPARTURE	LAST ARRIVAL	DRIVING TIME	STOP TIME	км	NON- BILL HRS	BILL HRS	# CALLS	MAX SPEED	ENGINE IDLING	TRUCK INV. \$	PAY HRS	PAY OT	TOTAL HRS	BILL HRS/ TOTAL
DAVE SMITH	10-06	09-Jan-10	6:13 AM	5:37 PM	4.65	6.75	167	3.0	5	19	103	2.35	\$3526	8.00	3.0	11.4	78%
MONTY CAMPBELL	04-14	09-Jan-10	12:18 PM	8:50 PM	3.24	5.29	121	0.5	7	5	100	1.62	\$3563	8.00	3.0	8.53	55%
DUNCAN MACDONALD	02-05	08-Jan-10	6:20 AM	11:50 PM	8.38	9.11	264	1.3	6	34	98	4.5	\$4526	8.00	3.0	17.49	45%
Greg Hillier	02-05	08-Jan-10	6:20 AM	11:50 PM	8.38	9.11	264	1.3	5.5	11	98	4.5	\$3526	8.00	2.0	17.49	65%
Steven Fulop	98-08	08-Jan-10	6:09 AM	2:12 PM	3.72	4.32	151	1.4	6	24	100	1.67	\$2526	8.00	2.0	8.04	80%
Ron O Leary	02-09	08-Jan-10	12:18 AM	5:48 PM	4.48	13.02	134	1.5	6.5	39	94	3.73	\$3526	0.00	4.0	17.5	70%
KEVIN OBRISTCH	07-10	08-Jan-10	7:25 AM	3:13 PM	3.68	4.13	162	1.2	7	8	111	1.23	\$3726	8.00	2.0	7.81	65%
DAVE SMITH	10-06	08-Jan-10	7:25 AM	6:04 PM	4.48	6.16	121	0.0	5	2	90	3.80	\$3886	8.00	1.0	10.64	65%
Tony Rossong	10-06	08-Jan-10	7:25 AM	6:04 PM	4.48	6.16	121	1.5	6.5	16	90	2.34	\$4526	8.00	5.6	10.64	70%
BRUCE CUDMORE	03-12	08-Jan-10	12:19 AM	2:44 PM	4.86	9.55	194	2.2	5.5	19	112	2.46	\$3526	8.00	1.0	14.41	70%
MONTY CAMPBELL	04-14	08-Jan-10	7:30 AM	5:56 PM	3.33	7.09	100	3.6	6	46	103	1.27	\$5326	4.00	3.0	10.42	80%
RICHARD RAFUSE	05-15	08-Jan-10	7:27 AM	5:10 PM	4.32	5.4	99	2.8	7	29	111	1.80	\$3526	8.00	4.0	9.72	85%

## **Vehicle Activity**



## **Satellite View**

Satellite map views often help put even greater perspective on where and perhaps why idling took place – for example sometimes service techs idle the engine for repairs and so it's useful to see where and who was driving



# **Find Nearest**

🔊 Geotab Checkmate Map

Pop Up window appears with asset labels and the distance to the target dispatch your driver



## **SENSOR ACTIVITY**

A green star displays the door opening. The numbers in boxes tell the sequence of stops.



# **Customer/Site Visit Report**

Seotab Customer and Office Visits		-						×
┥ Back 🗼 Forward 💽 History 🗸 (	🕑 Home							
🔯 Options Panel 🌄 View in Excel 🌑 Vie	ew in Map 🕜							
Basic Options	Device	Driver	Communication Type	Department	Division	Engine Protocol	Other	_
Device	<ul> <li>447 Sunset</li> </ul>							-1
	KC41	No Driver Key Used	Live (GSM)	Admin	Admin	ISO 9141, J1850 VPW	All Demo Vehicles, GO4v2, iDemo\North Region, Test, iDemo\uSuppor	t
Type here to search for item	KC41	No Driver Key Used	Live (GSM)	Admin	Admin	ISO 9141, J1850 VPW	All Demo Vehicles, GO4v2, iDemo\North Region, Test, iDemo\uSuppor	t
	CC41	No Driver Key Used	Live (GSM)	Development	Management	ISO 14230	All Demo Vehicles, GO4v2, iDemo Worth Region, Test, iDemo \uSuper	ise
Select All/None	CC41	No Driver Key Used	Live (GSM)	Development	Management	ISO 14230	All Demo Vehicles, GO4v2, iDemo Worth Region, Test, iDemo \uSuperv	ise =
Communication Type								
	Allan St Lo	cation						-11
Engine Protocol	AC41	No Driver Key Used	Live (CDMA)	Development	Management		All Demo Vehicles, GO4v2, Test	
🗹 🛅 Other								
	Cawse seni	or's Home						
	RK41	No Driver Key Used	Live (GSM)	Support	Field Supervisor	ISO 9141	All Demo Vehicles, GO4v2, Test	
	JC	No Driver Key Used	Live (GSM)	Admin		Hybrid, OBD/CAN	Test	
	JC	No Driver Key Used	Live (GSM)	Admin		Hybrid, OBD/CAN	Test	
	Cruickshan	iks						-1
	TW41-CPS2	No Driver Key Used	Live (GSM)	Development, Field PTO	Field PTO Equip	J1850 VPW	All Demo Vehicles, GO4v2, Landscaping Demo, iDemo Worth Region, 1	es
	TW40-CPSH	No Driver Key Used	Live (GSM)	Development	Field Supervisor	J1708/CAN	All Demo Vehicles, Landscaping Demo, iDemo Worth Region, Test, iDe	moʻ
	Customer	Α						_
	SV41-3	No Driver Key Used	Live (GSM)	Sales	Management		All Demo Vehicles, GO4v2, Test	
	SV41-3	No Driver Key Used	Live (GSM)	Sales	Management		All Demo Vehicles, GO4v2, Test	
Show Inactive	SV41-1	No Driver Key Used	Live (GSM)	Sales	Management		All Demo Vehicles, GO4v2, Test	
	SV41-3	No Driver Key Used	Live (GSM)	Sales	Management		All Demo Vehides, GO4v2, Test	
Period: Today	•							
	GEOTAB O	akville						—
	SP41	No Driver Key Used	RF	Support	Management		All Demo Vehicles, GO4v2, Test	
	PM41	No Driver Key Used		Support	-		GO4v2, WorkAround	
	PM DS300	No Driver Key Used	DS300	Support			Test	
	AC41	No Driver Key Used	Live (CDMA)	Development	Management		All Demo Vehicles, GO4v2, Test	-
Show Summary	•							Þ.

Show Details

## **Monitor congregations off-site**

A Congregation is when 2 or more of your vehicles are parked at the same off-site location.

Back       Earward       Back       Earward       Back       Earward       Earward       Earward         Image: Filter       Image: Earward	🔊 Congregation Report							
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Minimum number of congregation devices         2         Exclude stops in Zone Types:         O'       No Driver Key Used       10/06/2010 09:57:32       10/06/2010 13:00:31       1m       169 Expansion Avenue, Saint Joh         0'       No Driver Key Used       10/06/2010 10:59:34       10/06/2010 13:21:14       2h 21m       177 Expansion Avenue, Saint Joh         0'       No Driver Key Used       10/06/2010 11:15:29 for 2 Hours 5 Minutes       2h 10m       177 Expansion Avenue, Saint Joh         0'       No Driver Key Used       10/06/2010 11:15:29 for 1 Hinutes       2h 10m       177 Expansion Avenue, Saint Joh         0'       No Driver Key Used       10/06/2010 12:04:55 for 1 Hinutes       2h 10m       31 Dedication St, Saint John New         2'/       No Driver Key Used       10/06/2010 12:04:55 for 1 Minutes       10/06/2010 12:03:04       17h 22m       Enniskillen Rd, NB, E5K         2'//>2'//>2'//>2'//>3       No Driver Key Used       10/06/2010 12:34:09 for 5 Minutes       10/06/2010 12:39:53       6m       2066 Cow Bay Rd, Halifax, N5         2'//>2'//>2'//>3       No Driver Key Used       10/06/2010 12:34:09       10/06/2010 12:39:53       5m       2066 Cow Bay Rd, Halifax, N5         2'//>2'//>2'//>3       No Driver Key Used       10/06/2010 12:34:09       10/06/2010 12:43:04       17h 22m       Enni	1 💭 Minutes	Congre	gated at 10/06/2010	) 09:57:32 for 1 Minute				
2       No Driver Key Used       10/06/2010 99:57:32       10/06/2010 99:58:34       1m       169 Expansion Avenue, Saint Joh         21       No Driver Key Used       10/06/2010 99:57:32       10/06/2010 99:58:34       1m       169 Expansion Avenue, Saint Joh         20       No Driver Key Used       10/06/2010 11:15:29 for 2 Hours 5 Minutes       37 Dedication St, Saint John New         0       Depot Zone       No Driver Key Used       10/06/2010 11:15:29       10/06/2010 13:33:30       2h 1m       177 Expansion Avenue, Saint Joh         21       No Driver Key Used       10/06/2010 11:15:29       10/06/2010 13:33:30       2h 1m       31 Dedication St, Saint John New         21       No Driver Key Used       10/06/2010 12:04:55 for 1 Minute       2h 10m       31 Dedication St, Saint John New         22       No Driver Key Used       10/06/2010 12:03:45       10/06/2010 12:43:04       17h 2zm       Enniskillen Rd, NB, E5K         23       No Driver Key Used       10/06/2010 12:33:45       10/06/2010 12:39:53       6m       2066 Cow Bay Rd, Halifax, NS         26       No Driver Key Used       10/06/2010 12:33:45       10/06/2010 12:39:53       6m       2066 Cow Bay Rd, Halifax, NS         28       No Driver Key Used       10/06/2010 12:33:45       10/06/2010 12:43:04       17h 2zm       Enniskillen Rd, NB,	Minimum number of congregation devices							
Exclude stops in Zone Types:       O/       No Driver Key Used       10/06/2010 01:10:00:31       46m       37 Dedication St, Saint John New         Customer Zone       Depot Zone       O/       No Driver Key Used       10/06/2010 11:15:29       10/06/2010 13:21:14       2h 21m       177 Expansion Avenue, Saint Joh         No Driver Key Used       10/06/2010 11:15:29       10/06/2010 13:33:30       2h 18m       31 Dedication St, Saint John         O/       No Driver Key Used       09/06/2010 12:04:55       10/06/2010 13:33:30       2h 18m       31 Dedication St, Saint John         O/       No Driver Key Used       09/06/2010 12:04:55       10/06/2010 12:43:04       177 Expansion Avenue, Saint John         O/       No Driver Key Used       09/06/2010 12:04:55       10/06/2010 12:43:04       17h 22m       Enniskillen Rd, NB, ESK         Congregated at 10/06/2010 12:34:09 for 5 Minutes       33       No Driver Key Used       10/06/2010 12:39:53       6m       2066 Cow Bay Rd, Halifax, NS         26       No Driver Key Used       10/06/2010 12:34:05       10/06/2010 12:39:50       17h 22m       Enniskillen Rd, NB, ESK         28       No Driver Key Used       10/06/2010 12:41:57       10/06/2010 12:43:04       17h 22m       Enniskillen Rd, NB, ESK         28       No Driver Key Used       10/06/2010 12:41:57       1	2	21	No Driver Key Used	10/06/2010 09:57:32	10/06/2010 09:58:34	1m	169 Expansion Avenue, Saint Joh	
Exclude stops in Zone Types:       Congregated at 10/06/2010 11:15:29 for 2 Hours 5 Minutes         Customer Zone       07       No Driver Key Used       10/06/2010 10:59:34       10/06/2010 13:33:30       2h 11m       177 Expansion Avenue, Saint Joh         Depot Zone       Home Zone       07       No Driver Key Used       10/06/2010 11:15:29       10/06/2010 13:33:30       2h 11m       177 Expansion Avenue, Saint Joh         Congregated at 10/06/2010 12:04:55 for 1 Minute       10/06/2010 12:04:55 for 1 Minute       2       No Driver Key Used       09/06/2010 12:04:85       10/06/2010 12:43:04       17h 22m       Enniskillen Rd, NB, E5K         Congregated at 10/06/2010 12:34:90 for 5 Minutes       10/06/2010 12:34:95       10/06/2010 12:39:58       6m       2066 Cow Bay Rd, Halifax, NS         26       No Driver Key Used       10/06/2010 12:34:90 for 5 Minutes       10/06/2010 12:39:58       5m       2066 Cow Bay Rd, Halifax, NS         26       No Driver Key Used       10/06/2010 12:34:90 for 5 Minutes       10/06/2010 12:39:58       5m       2066 Cow Bay Rd, Halifax, NS         28       No Driver Key Used       10/06/2010 12:34:90 for 5 Minutes       10/06/2010 12:39:58       5m       2066 Cow Bay Rd, Halifax, NS         26       No Driver Key Used       10/06/2010 12:34:16       10/06/2010 12:43:04       17h 22m       Enniskillen Rd, NB, E5K		07	No Driver Key Used	10/06/2010 09:14:10	10/06/2010 10:00:31	46M	37 Dedication St, Saint John New	
Customer Zone       Depot Zone         Depot Zone       No Driver Key Used       10/06/2010 10:59:34       10/06/2010 13:33:30       2h 1m       177 Expansion Avenue, Saint John         Congregated at 10/06/2010 12:00:155 for 1 Minute       10/06/2010 12:00:15       10/06/2010 12:00:00       17h 22m       Enniskillen Rd, NB, E5K         28       No Driver Key Used       00/06/2010 12:30:45       10/06/2010 12:39:53       6m       2066 Cow Bay Rd, Halifax, NS         26       No Driver Key Used       00/06/2010 12:20:18       10/06/2010 12:39:53       5m       2066 Cow Bay Rd, Halifax, NS         28       No Driver Key Used       00/06/2010 12:20:18       10/06/2010 12:39:53       5m       2066 Cow Bay Rd, Halifax, NS         26       No Driver Key Used       00/06/2010 12:31:47       10/06/2010 12:39:53       5m       2066 Cow Bay Rd, Halifax, NS         28       No Driver Key Used       00/06/2010 12:31:47       10/06/2010 12:39:53       5m       2066 Cow Bay Rd, Halifax, NS         26       No Driver Key Used       10/06/2010 12:21:57 for 1 Minute       10/06/2010 12:39:50       11m       Enniskillen Rd, NB, E5K         28       No Driver Key Used       10/06/2010 12:41:57       10/06/2010 12:43:04       17h 22m       Enniskillen Rd, NB, E5K         29       No Driver Key Used       10/06/2010 12:43:06 <td>Exclude stops in Zone Types:</td> <td>Congre</td> <td>gated at 10/06/2010</td> <td>) 11:15:29 for 2 Hours</td> <td>5 Minutes</td> <td></td> <td></td> <td></td>	Exclude stops in Zone Types:	Congre	gated at 10/06/2010	) 11:15:29 for 2 Hours	5 Minutes			
Image: Depot Zone       01       No Driver Key Used       10/06/2010 13:23:30       2h 12m       17 Explanation Rvende, Jaint John.         Image: Depot Zone       10       No Driver Key Used       10/06/2010 13:23:30       2h 18m       31 Dedication St, Saint John New         Image: Depot Zone       Congregated at 10/06/2010 12:04:55 for 1 Minute       Image: Depot Zone       Image: Depot Zone       Image: Depot Zone         Image: Depot Zone       Congregated at 10/06/2010 12:04:55 for 1 Minute       Image: Depot Zone       Image: Depot Zone       Image: Depot Zone         Image: Depot Zone       Congregated at 10/06/2010 12:04:55 for 1 Minute       Image: Depot Zone       Image: Depo	Customer Zone	07	No Driver Key Ucod	10/06/2010 10:50:24	10/06/2010 12:21:14	2h 21m	177 Expansion Augnus, Spint Joh	
Image: Congregated at 10/06/2010 12:04:55 for 1 Minute         22       No Driver Key Used       09/06/2010 12:04:55       10/06/2010 12:06:49       17h 22m       Enniskillen Rd, NB, E5K         28       No Driver Key Used       10/06/2010 12:33:45       10/06/2010 12:39:53       6m       2066 Cow Bay Rd, Halifax, NS         33       No Driver Key Used       10/06/2010 12:34:09       10/06/2010 12:39:53       6m       2066 Cow Bay Rd, Halifax, NS         26       No Driver Key Used       10/06/2010 12:34:09       10/06/2010 12:39:53       5m       2066 Cow Bay Rd, Halifax, NS         22       No Driver Key Used       10/06/2010 12:41:57 for 1 Minute       10/06/2010 12:39:53       5m       2066 Cow Bay Rd, Halifax, NS         26       No Driver Key Used       09/06/2010 12:241:57 for 1 Minute       10/06/2010 12:43:04       17h 22m       Enniskillen Rd, NB, E5K         28       No Driver Key Used       09/06/2010 12:241:57       10/06/2010 12:43:04       17h 22m       Enniskillen Rd, NB, E5K         28       No Driver Key Used       10/06/2010 12:41:57       10/06/2010 12:43:04       17h 22m       Enniskillen Rd, NB, E5K         26       No Driver Key Used       10/06/2010 12:48:06       10/06/2010 12:54:16       6m       1061 Bissett Rd, Dartmouth, NS         19       No Driver Key Used       10/06/2010 12:49:	🗹 Depot Zone	21	No Driver Key Used	10/06/2010 11:15:29	10/06/2010 13:33:30	2h 18m	31 Dedication St. Saint John New	
Congregations         Congregations           22         No Driver Key Used No Driver Key Used         09/06/2010 12:04:55 10/06/2010 12:06:49         17h 22m 1m         Enniskillen Rd, NB, E5K Street, NB, E5K           33         No Driver Key Used         10/06/2010 12:33:45 10/06/2010 12:39:53         6m 2066 Cow Bay Rd, Halifax, NS 2066 Cow Bay Rd, Halifax, NS           32         No Driver Key Used         10/06/2010 12:33:45 10/06/2010 12:39:53         6m 2066 Cow Bay Rd, Halifax, NS           22         No Driver Key Used         10/06/2010 12:33:45 10/06/2010 12:39:53         6m 2066 Cow Bay Rd, Halifax, NS           32         No Driver Key Used         10/06/2010 12:33:45 10/06/2010 12:39:53         6m 2066 Cow Bay Rd, Halifax, NS           22         No Driver Key Used         10/06/2010 12:39:53 10/06/2010 12:39:53         6m 2066 Cow Bay Rd, Halifax, NS           22         No Driver Key Used         10/06/2010 12:39:50 10/06/2010 12:43:04 10/06/2010 12:43:04 10/06/2010 12:43:02 11m         17h 22m Enniskillen Rd, NB, E5K           28         No Driver Key Used         10/06/2010 12:49:02 10/06/2010 12:43:04 10/06/2010 12:54:16 5m         6m 1061 Bissett Rd, Dartmouth, NS 1054 Bissett Rd, Dartmouth, NS           26         No Driver Key Used         10/06/2010 12:49:02 10/06/2010 12:54:13         6m 1054 Bissett Rd, Dartmouth, NS	Home Zone							
22       No Driver Key Used       09/06/2010 19:20:18       10/06/2010 12:43:04       17h 22m       Enniskillen Rd, NB, E5K         28       No Driver Key Used       10/06/2010 12:04:55       10/06/2010 12:06:49       1m       Street, NB, E5K         33       No Driver Key Used       10/06/2010 12:33:45       10/06/2010 12:39:53       6m       2066 Cow Bay Rd, Halifax, NS         26       No Driver Key Used       10/06/2010 12:34:09       10/06/2010 12:39:53       6m       2066 Cow Bay Rd, Halifax, NS         26       No Driver Key Used       09/06/2010 12:34:09       10/06/2010 12:39:53       6m       2066 Cow Bay Rd, Halifax, NS         26       No Driver Key Used       09/06/2010 12:34:09       10/06/2010 12:39:53       5m       2066 Cow Bay Rd, Halifax, NS         27       No Driver Key Used       09/06/2010 12:34:09       10/06/2010 12:49:02       11nm       Enniskillen Rd, NB, E5K         28       No Driver Key Used       09/06/2010 12:41:57       10/06/2010 12:53:02       11nm       Enniskillen Rd, NB, E5K         28       No Driver Key Used       10/06/2010 12:41:57       10/06/2010 12:53:02       11nm       Enniskillen Rd, NB, E5K         29       No Driver Key Used       10/06/2010 12:49:02       10/06/2010 12:54:16       6m       1061 Bissett Rd, Dartmouth, NS         19 <td></td> <td>Congre</td> <td>gated at 10/06/2010</td> <td>) 12:04:55 for 1 Minute</td> <td></td> <td></td> <td></td> <td></td>		Congre	gated at 10/06/2010	) 12:04:55 for 1 Minute				
28       No Driver Key Used       10/06/2010 12:04:55       10/06/2010 12:06:49       1m       Street, NB, E5K         33       No Driver Key Used       10/06/2010 12:33:45       10/06/2010 12:39:53       6m       2066 Cow Bay Rd, Halifax, NS         26       No Driver Key Used       10/06/2010 12:34:09       10/06/2010 12:39:53       5m       2066 Cow Bay Rd, Halifax, NS         26       No Driver Key Used       10/06/2010 12:34:09       10/06/2010 12:39:53       5m       2066 Cow Bay Rd, Halifax, NS         28       No Driver Key Used       09/06/2010 12:34:09       10/06/2010 12:39:53       5m       2066 Cow Bay Rd, Halifax, NS         28       No Driver Key Used       09/06/2010 12:34:09       10/06/2010 12:43:04       17h 22m       Enniskillen Rd, NB, E5K         28       No Driver Key Used       09/06/2010 12:41:57       10/06/2010 12:53:02       11m       Enniskillen Rd, NB, E5K         29       No Driver Key Used       10/06/2010 12:48:06       10/06/2010 12:54:16       6m       1061 Bissett Rd, Dartmouth, NS         19       No Driver Key Used       10/06/2010 12:49:02       10/06/2010 12:54:13       5m       1054 Bissett Rd, Dartmouth, NS         Show Congregations		22	No Driver Key Used	09/06/2010 19:20:18	10/06/2010 12:43:04	17h 22m	Enniskillen Rd, NB, E5K	
Congregations           33         No Driver Key Used         10/06/2010 12:33:45         10/06/2010 12:39:53         6m         2066 Cow Bay Rd, Halifax, NS           26         No Driver Key Used         10/06/2010 12:34:09         10/06/2010 12:39:53         5m         2066 Cow Bay Rd, Halifax, NS           Congregated at 10/06/2010 12:41:57 for 1 Minute           22         No Driver Key Used         09/06/2010 19:20:18         10/06/2010 12:43:04         17h 22m         Enniskillen Rd, NB, E5K           28         No Driver Key Used         10/06/2010 12:41:57         10/06/2010 12:53:02         11m         Enniskillen Rd, NB, E5K           28         No Driver Key Used         10/06/2010 12:49:02         10/06/2010 12:53:02         11m         Enniskillen Rd, NB, E5K           29         No Driver Key Used         10/06/2010 12:49:02         10/06/2010 12:53:02         11m         Enniskillen Rd, Dartmouth, N5           39         No Driver Key Used         10/06/2010 12:49:02         10/06/2010 12:54:13         5m         1064 Bissett Rd, Dartmouth, N5           19         No Driver Key Used         10/06/2010 12:49:02         10/06/2010 12:54:13         5m         1054 Bissett Rd, Dartmouth, N5		28	No Driver Key Used	10/06/2010 12:04:55	10/06/2010 12:06:49	1m	Street, NB, E5K	
33         No Driver Key Used         10/06/2010 12:33:45         10/06/2010 12:39:53         6m         2066 Cow Bay Rd, Halifax, NS           26         No Driver Key Used         09/06/2010 12:34:09         10/06/2010 12:39:53         5m         2066 Cow Bay Rd, Halifax, NS           22         No Driver Key Used         09/06/2010 19:20:18         10/06/2010 12:43:04         17h 22m         Enniskillen Rd, NB, ESK           28         No Driver Key Used         09/06/2010 12:41:57         10/06/2010 12:53:02         11m         Enniskillen Rd, NB, ESK           28         No Driver Key Used         10/06/2010 12:41:57         10/06/2010 12:53:02         11m         Enniskillen Rd, NB, ESK           29         No Driver Key Used         10/06/2010 12:48:06         10/06/2010 12:54:16         6m         1061 Bissett Rd, Dartmouth, NS           26         No Driver Key Used         10/06/2010 12:49:02         10/06/2010 12:54:13         5m         1054 Bissett Rd, Dartmouth, NS           19         No Driver Key Used         10/06/2010 12:49:02         10/06/2010 12:54:13         5m         1054 Bissett Rd, Dartmouth, NS		Congre	gated at 10/06/2010	) 12:34:09 for 5 Minute	5			
33       No Driver Key Used       10/06/2010 12:33:45       10/06/2010 12:39:53       6m       2066 Cow Bay Rd, Halifax, NS         26       No Driver Key Used       10/06/2010 12:34:09       10/06/2010 12:39:58       5m       2066 Cow Bay Rd, Halifax, NS         Congregated at 10/06/2010 12:34:09       10/06/2010 12:39:58       5m       2066 Cow Bay Rd, Halifax, NS         22       No Driver Key Used       09/06/2010 19:20:18       10/06/2010 12:43:04       17h 22m       Enniskillen Rd, NB, E5K         28       No Driver Key Used       09/06/2010 12:41:57       10/06/2010 12:53:02       11m       Enniskillen Rd, NB, E5K         28       No Driver Key Used       10/06/2010 12:41:57       10/06/2010 12:53:02       11m       Enniskillen Rd, NB, E5K         26       No Driver Key Used       10/06/2010 12:48:06       10/06/2010 12:54:13       6m       1061 Bissett Rd, Dartmouth, NS         26       No Driver Key Used       10/06/2010 12:48:06       10/06/2010 12:54:13       5m       1054 Bissett Rd, Dartmouth, NS         39       No Driver Key Used       10/06/2010 12:49:02       10/06/2010 12:54:13       5m       1054 Bissett Rd, Dartmouth, NS         Show Congregations								
26       No Driver Key Used       10/06/2010 12:34:09       10/06/2010 12:39:58       5m       2066 Cow Bay Rd, HairAx, NS         Congregated at 10/06/2010 12:41:57 for 1 Minute         22       No Driver Key Used       09/06/2010 12:41:57       10/06/2010 12:43:04       17h 22m       Enniskillen Rd, NB, E5K         28       No Driver Key Used       09/06/2010 12:41:57       10/06/2010 12:53:02       11m       Enniskillen Rd, NB, E5K         Congregated at 10/06/2010 12:49:02 for 5 Minutes       26       No Driver Key Used       10/06/2010 12:48:06       10/06/2010 12:54:16       6m       1061 Bissett Rd, Dartmouth, NS         26       No Driver Key Used       10/06/2010 12:49:02       10/06/2010 12:54:13       5m       1054 Bissett Rd, Dartmouth, NS         Show Congregations       Show Congregations       Sm       1054 Bissett Rd, Dartmouth, NS       Sm		33	No Driver Key Used	10/06/2010 12:33:45	10/06/2010 12:39:53	6m	2066 Cow Bay Rd, Halifax, NS	
Congregated at 10/06/2010 12:41:57 for 1 Minute           22         No Driver Key Used         09/06/2010 19:20:18         10/06/2010 12:43:04         17h 22m         Enniskillen Rd, NB, E5K           28         No Driver Key Used         10/06/2010 12:41:57         10/06/2010 12:53:02         11m         Enniskillen Rd, NB, E5K           Congregated at 10/06/2010 12:49:02 for 5 Minutes         26         No Driver Key Used         10/06/2010 12:48:06         10/06/2010 12:54:16         6m         1061 Bissett Rd, Dartmouth, NS           Show Congregations         Show Congregations         27         28 <t< td=""><td></td><td>26</td><td>No Driver Key Used</td><td>10/06/2010 12:34:09</td><td>10/06/2010 12:39:58</td><td>5m</td><td>2066 Cow Bay Rd, Halifax, NS</td><td>_</td></t<>		26	No Driver Key Used	10/06/2010 12:34:09	10/06/2010 12:39:58	5m	2066 Cow Bay Rd, Halifax, NS	_
Show Congregations         No Driver Key Used         09/06/2010 19:20:18         10/06/2010 12:43:04         17h 22m         Enniskillen Rd, NB, E5K           28         No Driver Key Used         10/06/2010 12:41:57         10/06/2010 12:53:02         11m         Enniskillen Rd, NB, E5K           26         No Driver Key Used         10/06/2010 12:49:02         10/06/2010 12:54:16         6m         1061 Bissett Rd, Dartmouth, NS           Show Congregations		Congre	gated at 10/06/2010	) 12:41:57 for 1 Minute				_
22       No Driver Key Used       00/06/2010 12:41:57       10/06/2010 12:53:02       11m       Enniskillen Rd, NB, ESK         28       No Driver Key Used       10/06/2010 12:41:57       10/06/2010 12:53:02       11m       Enniskillen Rd, NB, ESK         26       No Driver Key Used       10/06/2010 12:48:06       10/06/2010 12:54:16       6m       1061 Bissett Rd, Dartmouth, NS         19       No Driver Key Used       10/06/2010 12:49:02       10/06/2010 12:54:13       5m       1054 Bissett Rd, Dartmouth, NS		22	No Driver Key Lloed	09/06/2010 19:20:18	10/06/2010 12:43:04	17b 22m	Eppickillep P.d. NB . ESK	
Congregated at 10/06/2010 12:49:02 for 5 Minutes           26         No Driver Key Used         10/06/2010 12:48:06         10/06/2010 12:54:16         6m         1061 Bissett Rd, Dartmouth, N5           Show Congregations         Show Congregations         10/06/2010 12:49:02         10/06/2010 12:54:13         5m         1054 Bissett Rd, Dartmouth, N5		28	No Driver Key Used	10/06/2010 12:41:57	10/06/2010 12:53:02	17/1/22/m	Enniskillen Rd. NB. ESK	
Congregated at 10/06/2010 12:49:02 for 5 Minutes           26         No Driver Key Used         10/06/2010 12:48:06         10/06/2010 12:54:16         6m         1061 Bissett Rd, Dartmouth, N5           19         No Driver Key Used         10/06/2010 12:49:02         10/06/2010 12:54:13         5m         1054 Bissett Rd, Dartmouth, N5           Show Congregations		1						
26         No Driver Key Used         10/06/2010 12:48:06         10/06/2010 12:54:16         6m         1061 Bissett Rd, Dartmouth, NS           19         No Driver Key Used         10/06/2010 12:49:02         10/06/2010 12:54:13         5m         1054 Bissett Rd, Dartmouth, NS           Show Congregations		Congre	gated at 10/06/2010	) 12:49:02 for 5 Minute	5			
Show Congregations         19         No Driver Key Used         10/06/2010 12:49:02         10/06/2010 12:54:13         5m         1054 Bissett Rd, Dartmouth, N5		26	No Driver Key Used	10/06/2010 12:48:06	10/06/2010 12:54:16	6m	1061 Bissett Rd, Dartmouth, NS	
Show Congregations		19	No Driver Key Used	10/06/2010 12:49:02	10/06/2010 12:54:13	5m	1054 Bissett Rd, Dartmouth, NS	
Show Congregations								~
	Show Congregations							

# **Accident Wizard**



# **Driver or Vehicle Based Reporting**



## **Custom Reporting**



## **Definition of 'CAN'**

All of the vehicles systems communicate through the CAN bus

By accessing the data on the CAN multiple vehicle systems can be monitored individually or in correlation to each other



## **Date/ Engine Hour/Mileage Reminders**

🔈 Reminders									
A Back 🕞 Eorward 🕙 History 🕶 🌍 Home									
Reminders Reminders use Reminder Rules to deter reminder rule.	ermine which a	devices requires attenti	on. Double click an item below to reco	rd specific event information for that particular device and					
Type here to search for item	Device	Reminder	Reminder Information	Entire Organization	~				
	11								
	11 11	Oil Change needed Rotate tires	Event was due on 16/12/2009, Event was due on 16/12/2009,						
✓     09       ✓     11       ✓     13       ✓     14       ✓     15	13 13 13	Oil Change needed Rotate tires	Event was due on 30/10/2009, Event was due on 16/12/2009,						
<ul> <li>✓ ▲ 16</li> <li>✓ ▲ 17</li> <li>✓ ▲ 18</li> <li>✓ ▲ 19</li> </ul>	18 19	Oil Change needed	Event was due on 12/04/2010,						
✓     20       ✓     21       ✓     22	19 19	Oil Change needed Rotate tires	Event was due on 28/12/2009, Event was due on 16/12/2009,						
Reminder Rule:     All Reminder Rules       Due Period:     45 days	20 20 20 <b>21</b>	Oil Change needed Rotate tires	Event was due on 30/10/2009, Event was due on 16/12/2009,						
or Mileage in: 1000 km 💌 or Engine Hours in: 100 Hours 💌	21 21	Oil Change needed Rotate tires	Event was due on 28/12/2009, Event was due on 16/12/2009,						
Show Reminders	~~~				~				

# **Proactive Management**

🖄 Exception Rules	
d Back 🕨 Forward 🕘 History + 🌍 Home	
Exception Rules Use exception rules to monitor device activity. Create rules to detect excessive speeds, no go areas or other conditions.	
🕂 Add 🔧 Edit 🔲 Remove	🛔 🕂 Add 🔧 Edit 🔲 Remove
Exception Rules Bat Add w 11V ddt Drive test (All Demo Vehicles) Driver Seatbelt (Tiom) Driver Seatbelt Rule (Landscaping Demo) Engine Iding 5 Minutes Entry rule fuel level GEOTAB Oakville GEOTAB Oakville Iding Exception IGN true at home during working hours In Hopedale ZONE Made it to Gatlinburg MK-Enter Zone MK-Speeding for 2 minutes over 110km/h (GO4v2) New Engine Exception Rule (All Demo Vehicles) No Engine Iding is School Zone Panic Button Passenger Seat Occupied PM Engine Fault Exception PM Low Fuel PM Engine Iding is Chool Zone PM Low Fuel PM Engine Iding is Chool Zone PM Low Fuel PM Engine Fault Exception PM Low Fuel PM Engine Iding is School Zone PM Low Fuel PM Engine Iding is School Zone PM Low Fuel PM Engine Seat Occupied PM Engine Seat Occupied PM Engine Iding is School Zone PM Low Fuel PM Engine Fault Exception PM Low Fuel PM Engine Fault Exception PM Low Fuel PM Engine Iding is School Zone PM Low Fuel PM Engine Seat Occupied PM Engine Fault Exception PM Low Fuel PM Engine Fault Exception PM Engine Fault Exception PM Low Fuel PM Engine Fault Exception PM Engine Fault Exception PM Low Fuel PM Engine Fault Exception PM Low Fuel PM Engine Fault Exception PM Engine Fault Exception PM Low Fuel PM Engine Fault Exception PM Engine Fault Exception PM Low Fuel PM Engine Fault Exception PM Engine Fault Exception PM Engine Fault Exception PM Engine Fault Exception PM Low Fuel PM Engine Fault Exception PM Engine Fault E	Distribution Lists           Ø Support           Ø Test CC Cell Group           I. diling Exception           Rule 37           Fleet           Ø JustinTest           SV Field Trip           Ø Green Fleet           CPS List           Ø Engineering           exit notification           MK           Gararge           A CDistribution List           PM           Demo User           AP

Recalculate Data Alarm Sounds

# **Garmin Integration (optional)**

- Uses off the shelf Garmin and a specially designed cable to manage device power and data transmission
- Allows for 2-way communication with the driver and dispatcher
- Monitors for device disconnection to ensure 100% up time for communication with driver
- All messages are verified and time stamped so you never miss a communication
- Send one stop or an entire route directly to the vehicle
- Driver can change their status for the dispatcher with the touch of the screen
- Driver status information can be color coded and automatically displayed on the map
- All Data transmitted is stored within database for future reporting

### Things to consider when choosing a GPS solution

When evaluating the vendor you will be choosing, it is very important to ask key questions. You should be able to take advantage of some, if not all of the following services.

- •Unlimited access to technical support (with remote desktop support)
- •Unlimited training sessions for staff (classroom or one on one)
- Unlimited user access
- •Unlimited use of the system
- •All service work is under warranty for the life of the contract
- Regular feature updates
- •Server Maintenance and backups
- •Access to SQL backbone database for integration with 3<sup>rd</sup> party systems.
- •Do you own or rent the data?
- •Service techs that are employed by the vendor, not third party installer
- •Dedicated Account Manager for day to day account management and system utilization consulting.



## You can't manage what you don't measure

