

TRB EMS Subcommittee ANB10(5)

EMS Safety Summit 2012 Safety Systems, Strategies and Solutions

**Fleet safety systems &
“Putting invehicle telematics to use”**
Charlene Cobb, Sunstar, Florida

February 29th, 2012



Safety Technology A System Perspective



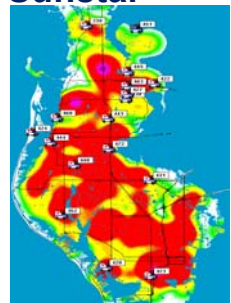
Marvlis System Overview

Front End Technology



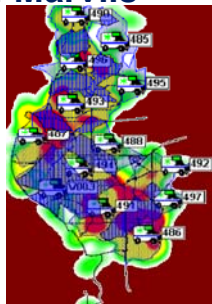
Marvlis at Sunstar

- Prior to Marvlis: We used history and geography
- Since Marvlis: We have data based on Year, week, day minute (17 years)
- We now weather the “storms” with more efficiency



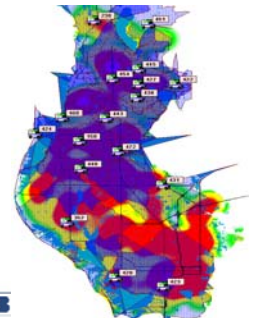
Utilization of Marvlis

- ✓ Improved response times
- ✓ Helps determine post plans
- ✓ Forecasts
- ✓ Routes



Dynamic Service Area

- Blue overlay shows us what parts of the county are covered
- Takes into account dead ends, traffic, geography water ways



Fleet Eyes Overview

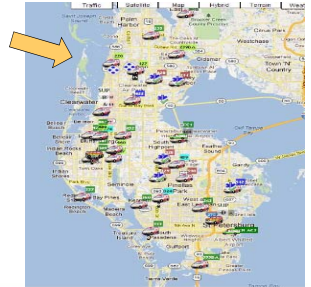
Back End Technology



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Fleet Eyes Functionality

- Weather
- Traffic
- Routing
- Speed
- Tracking
- Area Resources



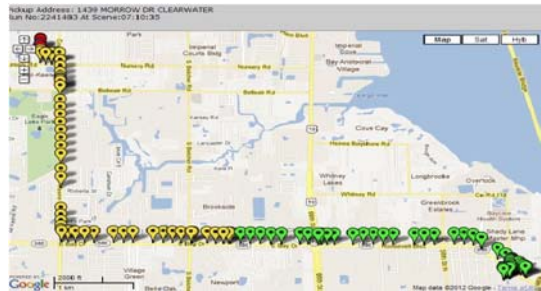
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Fleet Eyes/Geo-Fencing



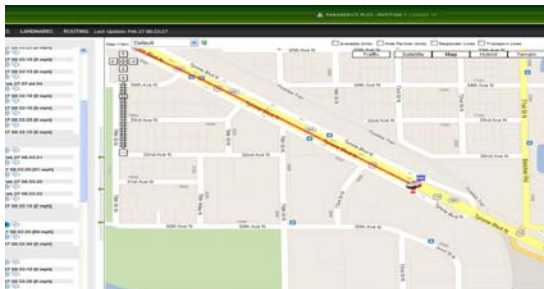
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Route Review



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Real Time Tracking



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Call Details



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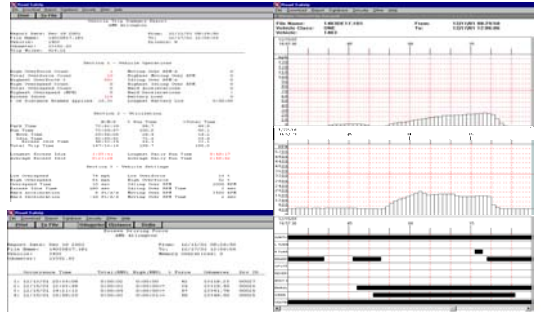
Road Safety Overview

Retrospect Technology



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Road Safety Provides Data for Incident Investigation



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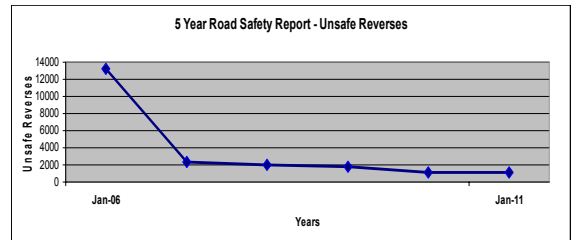
Monthly Driver Reports

- Identifies high risk behaviors
- Provides real time feedback to driver
- Provides reports for employee evaluation

Road Safety Assessment										
Driver ID	Driver Name	Score	High Risk	Low Risk	High Risk	Low Risk	High Risk	Low Risk	High Risk	Low Risk
0001	John Doe	85	10	10	10	10	10	10	10	10
0002	Jane Smith	75	15	10	10	10	10	10	10	10
0003	Mike Johnson	90	5	10	10	10	10	10	10	10
0004	Sarah Lee	65	20	10	10	10	10	10	10	10
0005	David Kim	80	12	10	10	10	10	10	10	10
0006	Emily White	70	18	10	10	10	10	10	10	10
0007	Chris Brown	88	8	10	10	10	10	10	10	10
0008	Alex Green	78	14	10	10	10	10	10	10	10
0009	Olivia Black	82	10	10	10	10	10	10	10	10
0010	Noah Gray	72	16	10	10	10	10	10	10	10
0011	Isabella Blue	86	9	10	10	10	10	10	10	10
0012	Liam Red	76	14	10	10	10	10	10	10	10
0013	Mia Purple	84	10	10	10	10	10	10	10	10
0014	Ethan Orange	74	16	10	10	10	10	10	10	10
0015	Ava Yellow	88	8	10	10	10	10	10	10	10
0016	Lucas Silver	78	14	10	10	10	10	10	10	10
0017	Sophia Bronze	82	10	10	10	10	10	10	10	10
0018	Mason Gold	72	16	10	10	10	10	10	10	10
0019	Charlotte Platinum	86	9	10	10	10	10	10	10	10
0020	Benjamin Diamond	76	14	10	10	10	10	10	10	10
0021	Aria Ruby	84	10	10	10	10	10	10	10	10
0022	Leo Sapphire	74	16	10	10	10	10	10	10	10
0023	Grace Emerald	88	8	10	10	10	10	10	10	10
0024	Jack Topaz	78	14	10	10	10	10	10	10	10
0025	Lily Garnet	82	10	10	10	10	10	10	10	10
0026	Oliver Amethyst	72	16	10	10	10	10	10	10	10
0027	Chloe Citrine	86	9	10	10	10	10	10	10	10
0028	Lucas Peridot	76	14	10	10	10	10	10	10	10
0029	Mia Malachite	84	10	10	10	10	10	10	10	10
0030	Ethan Opal	74	16	10	10	10	10	10	10	10
0031	Ava Aquamarine	88	8	10	10	10	10	10	10	10
0032	Lucas Smoky Quartz	78	14	10	10	10	10	10	10	10
0033	Sophia Green Aventurine	82	10	10	10	10	10	10	10	10
0034	Mason Bloodstone	72	16	10	10	10	10	10	10	10
0035	Charlotte Smoky Topaz	86	9	10	10	10	10	10	10	10
0036	Benjamin Smoky Quartz	76	14	10	10	10	10	10	10	10
0037	Aria Smoky Quartz	84	10	10	10	10	10	10	10	10
0038	Leo Smoky Quartz	74	16	10	10	10	10	10	10	10
0039	Grace Smoky Quartz	88	8	10	10	10	10	10	10	10
0040	Jack Smoky Quartz	78	14	10	10	10	10	10	10	10
0041	Lily Smoky Quartz	82	10	10	10	10	10	10	10	10
0042	Oliver Smoky Quartz	72	16	10	10	10	10	10	10	10
0043	Chloe Smoky Quartz	86	9	10	10	10	10	10	10	10
0044	Lucas Smoky Quartz	76	14	10	10	10	10	10	10	10
0045	Mia Smoky Quartz	84	10	10	10	10	10	10	10	10
0046	Ethan Smoky Quartz	74	16	10	10	10	10	10	10	10
0047	Ava Smoky Quartz	88	8	10	10	10	10	10	10	10
0048	Lucas Smoky Quartz	78	14	10	10	10	10	10	10	10
0049	Sophia Smoky Quartz	82	10	10	10	10	10	10	10	10
0050	Mason Smoky Quartz	72	16	10	10	10	10	10	10	10
0051	Charlotte Smoky Quartz	86	9	10	10	10	10	10	10	10
0052	Benjamin Smoky Quartz	76	14	10	10	10	10	10	10	10
0053	Aria Smoky Quartz	84	10	10	10	10	10	10	10	10
0054	Leo Smoky Quartz	74	16	10	10	10	10	10	10	10
0055	Grace Smoky Quartz	88	8	10	10	10	10	10	10	10
0056	Jack Smoky Quartz	78	14	10	10	10	10	10	10	10
0057	Lily Smoky Quartz	82	10	10	10	10	10	10	10	10
0058	Oliver Smoky Quartz	72	16	10	10	10	10	10	10	10
0059	Chloe Smoky Quartz	86	9	10	10	10	10	10	10	10
0060	Lucas Smoky Quartz	76	14	10	10	10	10	10	10	10
0061	Mia Smoky Quartz	84	10	10	10	10	10	10	10	10
0062	Ethan Smoky Quartz	74	16	10	10	10	10	10	10	10
0063	Ava Smoky Quartz	88	8	10	10	10	10	10	10	10
0064	Lucas Smoky Quartz	78	14	10	10	10	10	10	10	10
0065	Sophia Smoky Quartz	82	10	10	10	10	10	10	10	10
0066	Mason Smoky Quartz	72	16	10	10	10	10	10	10	10
0067	Charlotte Smoky Quartz	86	9	10	10	10	10	10	10	10
0068	Benjamin Smoky Quartz	76	14	10	10	10	10	10	10	10
0069	Aria Smoky Quartz	84	10	10	10	10	10	10	10	10
0070	Leo Smoky Quartz	74	16	10	10	10	10	10	10	10
0071	Grace Smoky Quartz	88	8	10	10	10	10	10	10	10
0072	Jack Smoky Quartz	78	14	10	10	10	10	10	10	10
0073	Lily Smoky Quartz	82	10	10	10	10	10	10	10	10
0074	Oliver Smoky Quartz	72	16	10	10	10	10	10	10	10
0075	Chloe Smoky Quartz	86	9	10	10	10	10	10	10	10
0076	Lucas Smoky Quartz	76	14	10	10	10	10	10	10	10
0077	Mia Smoky Quartz	84	10	10	10	10	10	10	10	10
0078	Ethan Smoky Quartz	74	16	10	10	10	10	10	10	10
0079	Ava Smoky Quartz	88	8	10	10	10	10	10	10	10
0080	Lucas Smoky Quartz	78	14	10	10	10	10	10	10	10
0081	Sophia Smoky Quartz	82	10	10	10	10	10	10	10	10
0082	Mason Smoky Quartz	72	16	10	10	10	10	10	10	10
0083	Charlotte Smoky Quartz	86	9	10	10	10	10	10	10	10
0084	Benjamin Smoky Quartz	76	14	10	10	10	10	10	10	10
0085	Aria Smoky Quartz	84	10	10	10	10	10	10	10	10
0086	Leo Smoky Quartz	74	16	10	10	10	10	10	10	10
0087	Grace Smoky Quartz	88	8	10	10	10	10	10	10	10
0088	Jack Smoky Quartz	78	14	10	10	10	10	10	10	10
0089	Lily Smoky Quartz	82	10	10	10	10	10	10	10	10
0090	Oliver Smoky Quartz	72	16	10	10	10	10	10	10	10
0091	Chloe Smoky Quartz	86	9	10	10	10	10	10	10	10
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0093	Mia Smoky Quartz	84	10	10	10	10	10	10	10	10
0094	Ethan Smoky Quartz	74	16	10	10	10	10	10	10	10
0095	Ava Smoky Quartz	88	8	10	10	10	10	10	10	10
0096	Lucas Smoky Quartz	78	14	10	10	10	10	10	10	10
0097	Sophia Smoky Quartz	82	10	10	10	10	10	10	10	10
0098	Mason Smoky Quartz	72	16	10	10	10	10	10	10	10
0099	Charlotte Smoky Quartz	86	9	10	10	10	10	10	10	10
0100	Benjamin Smoky Quartz	76	14	10	10	10	10	10	10	10

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Measuring Our Success at Sunstar Paramedics



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Summary

Through these technologies:

- ✓ We realized dramatic change in our drivers attitude toward safety
- ✓ We have evidence based data to use for individual driver training and refresher courses
- ✓ We are able to identify drivers that fail to align themselves with our mission of safety

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