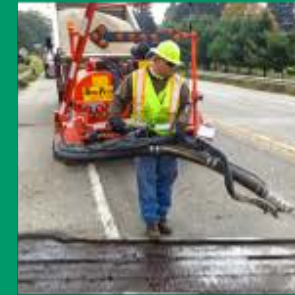


NEXTGEN ATMS PROCUREMENT...DEPLOYED DURING A FREAKING PANDEMIC



OHIO DEPARTMENT OF
TRANSPORTATION

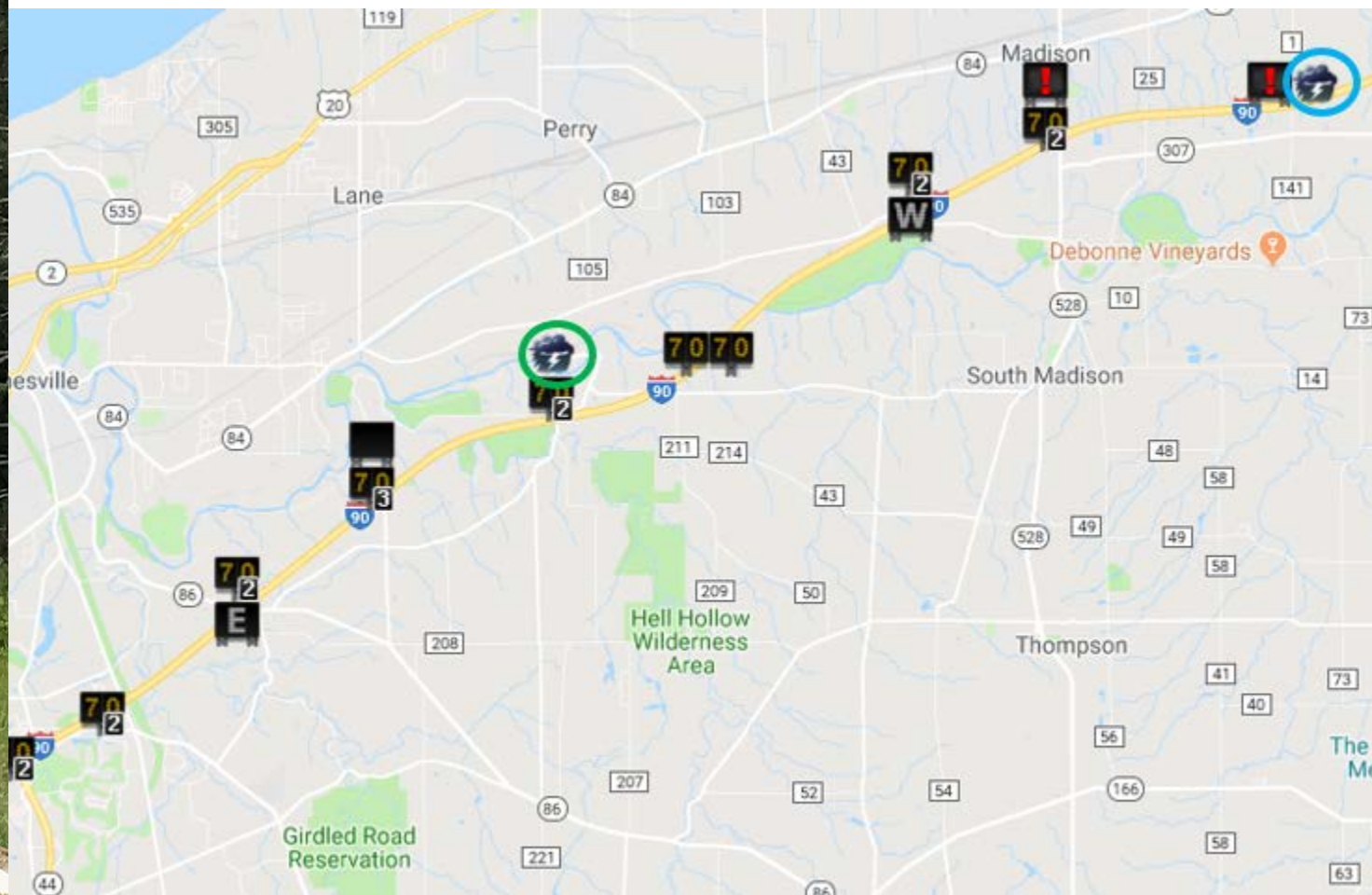
Adam Kieffer, MBA
TSMO Capital Program Manager
Office of Traffic Management

Setting the Stage



OHGO

I-90 VARIABLE SPEED LIMIT WEATHER CORRIDOR

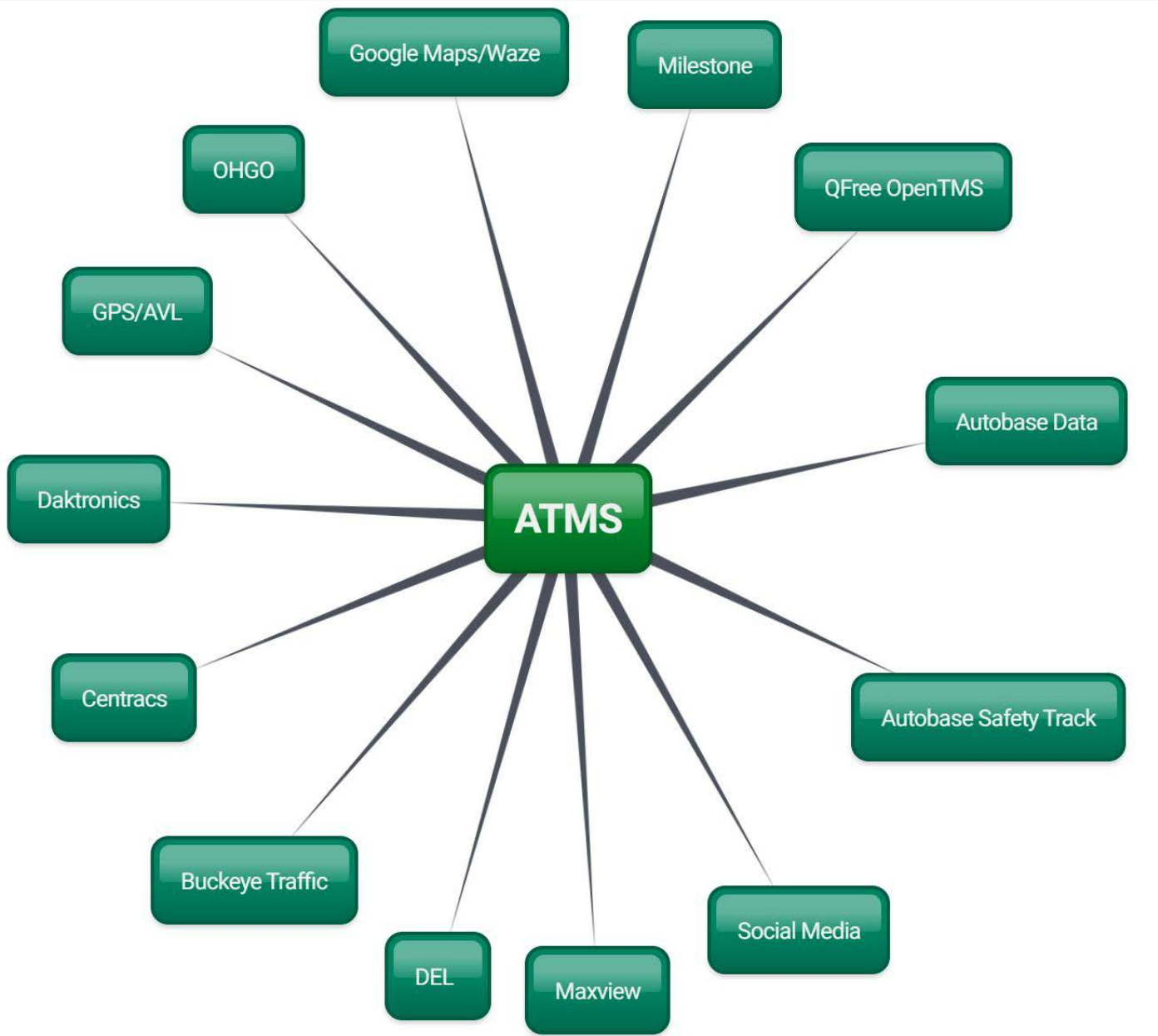


Making Our System Work Better

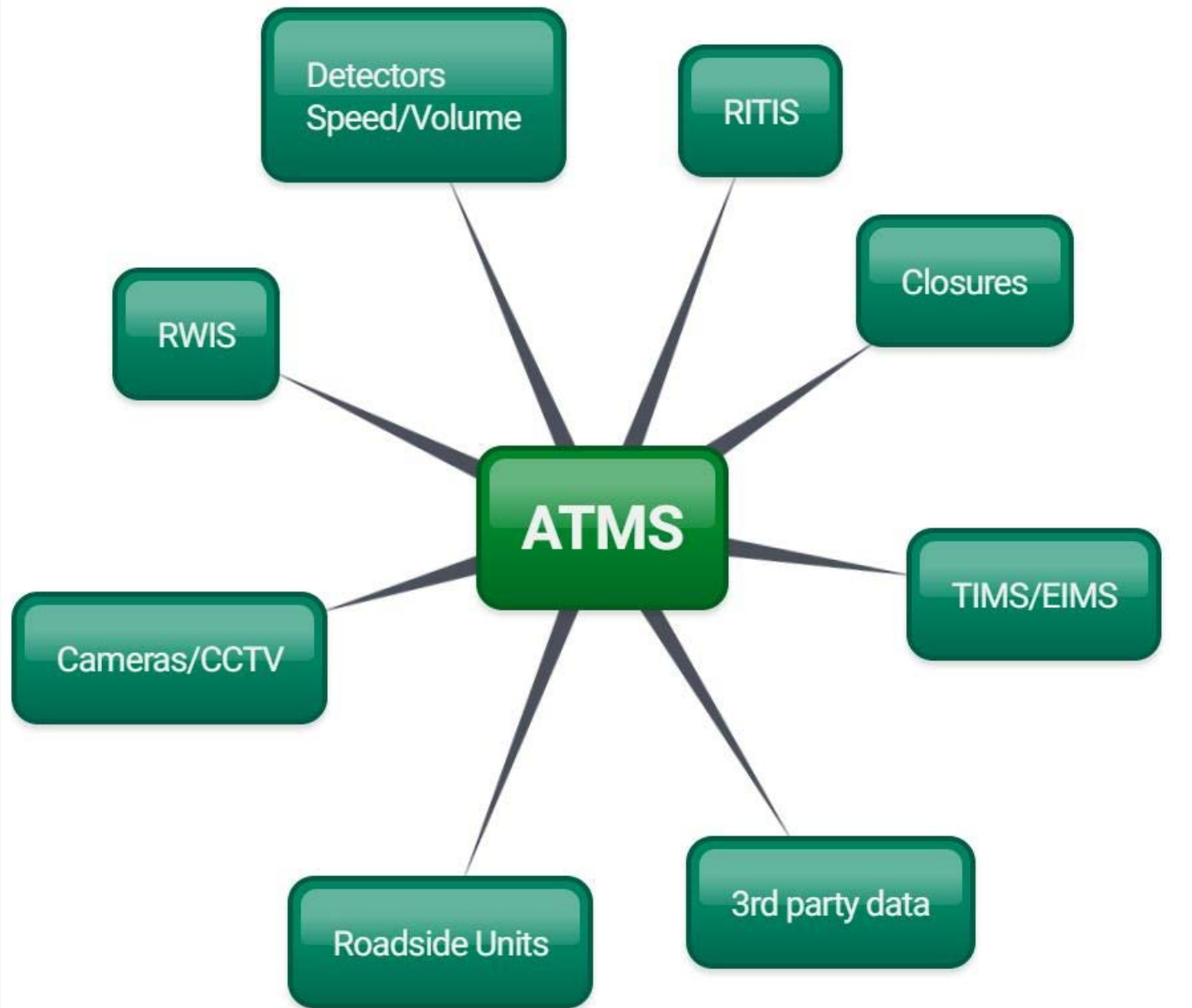
HARD SHOULDER RUNNING



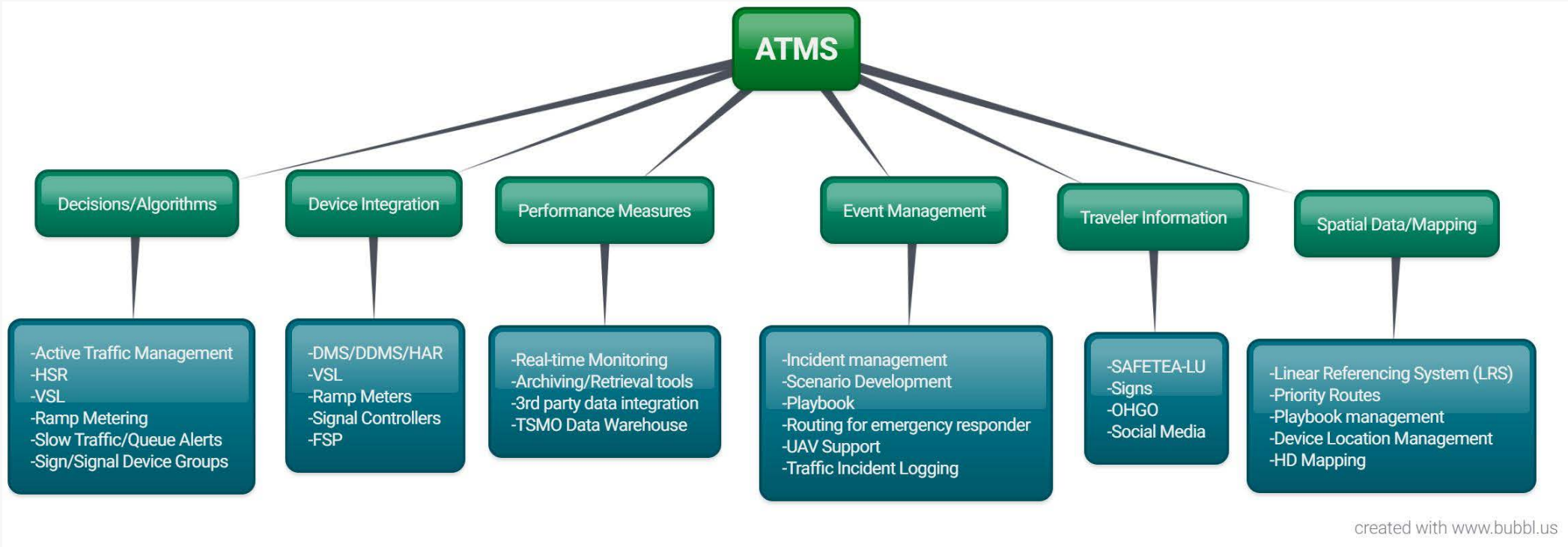
Making Our System Work Better



Data Inputs



Desired Outputs







Project Mission:

- COTS ATMS to replace legacy systems to
 - consolidate resources
 - enhance capabilities
 - Un-silo data to create better performance measures
 - Vendor expertise and support to incorporate future emerging TSMO technologies and traffic management solutions.

- RFP
 - Consultant, lead us through SEA and requirements development
 - Workshops
 - Interviewed all stakeholders
 - RFI - Vendor Demos
 - Philosophy: agile, flexible, not rigid.
 - We are not ATMS EXPERTS
 - On prem vs. cloud - you tell us how you're going to do your best

				Deployment Timeline		ALL: TM07 Regional Traffic Management, TM08 Traffic Incident Management Systems			Meets Requirement (via Configuration) w/ No Additional Development	Meets Requirement w/ Additional Development Included in Bid	Meets Requirement w/ Alternative Approach	Does Not Meet Requirement	Bidder Approach
CAT	Sub CAT	Req#	Requirement	Day 1	Year 1 +	User Role(s)	Features XREF	Service Bucket / Priorities					
GEN	EVM	33	The system shall allow authorized users to review and edit events that have not expired and to re-activate events that have recently expired.	✓		N/A	FL021, FL022						
GEN	EVM	34	The system shall be able to provide a historical record of an event that indicates the progression of actions taken through the system and changes in traffic conditions from the start of an event until its conclusion.	✓		N/A	FL018, FL021, FL036	DM01 ITS Data Warehouse					
GEN	EVM	35	The system shall allow authorized users to select planned, current and expired events for review by searchable criteria such as ID, timeframe, area, highway, type, event status.	✓		N/A	FL018, FL021, FL036	DM01 ITS Data Warehouse					
GEN	EVM	36	The system shall identify the nearest devices (e.g., cameras, DMS, sensors) to an event location, once an event has been established.	✓		N/A	FL001, FL003, FL005, FL011, FL020, FL021, FL022	PS08 Roadway Service Patrols, TM09 Integrated Decision Support and Demand Management, PS02 Routing Support for Emergency Responders					
GEN	FSP	Freeway Safety Patrol (FSP)											
GEN	FSP	01	The system shall have a Freeway Safety Patrol (FSP) module that allows field input of traffic event data.		✓	N/A	FL006, FL007, FL021, FL022						
GEN	FSP	02	The FSP module shall integrate a GPS-capable mobile app (for both iOS & Android) which allows FSP operators to easily and quickly input information into the ATMS for highway events to initiate and supplement management of traffic events.		✓		FL006, FL007, FL021, FL022						
GEN	FSP	03	The FSP module shall prohibit data entry by FSP operators when the FSP vehicle is moving.		✓		FL006, FL007, FL021, FL022						
GEN	FSP	04	The FSP module shall monitor the locations and status of all FSP vehicles and provide that data to the ATMS for operator monitoring purposes.		✓		FL005, FL010, CM011	PS08 Roadway Service Patrols, PS02 Routing Support for Emergency Responders					

- Scoring
 - Price per Technical Point
 - Best **VALUE** > Lowest bid
 - Capture business model differences to fairly evaluate

- Target launch December 2020

- Pandemic hit
 - Realized the base product would allow us to shut down old ATMS.
 - Launched early August 2020 (less risk due to lower traffic volumes and lack of congestion)
 - Remaining Day requirements 1 moved into the normal release schedule
 - Shifted from Waterfall to MVP

- Pandemic hit
 - Allowed us to migrate and train remotely on an “easier” product
 - Made many one page job aids
 - Large virtual training sessions in the dev environment
 - Weekly office hours
 - Dual entry
 - Flipped the switch with minimal disruption

- Key Outcomes
 - Pandemic actually made it easier to launch, not harder.
 - Reduced screen real estate so all TMC Operators can effectively work from home from a laptop and extra monitor
 - Receive more support from vendor than our own IT

- Key Outcomes
 - Time to detect and post incidents reduced, incident detection and dissemination under 10 minute goal.
 - Created new streams of alerts
 - Identifying more incidents
 - WAZE Alerts promoted into 71% of our events



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