

Valerann Ltd.

The content of this presentation is confidential, please do not distribute without the approval of Valerann Ltd.



VALERANN

POWERED BY DATA. DRIVEN BY INSIGHT.

Traffic operators deal with substantial & exponentially increasing volumes of traffic data daily.



THE CHALLENGE

There is ample data, but little trust



Road operators have many **data sources**:



Legacy ITS



Social Media



IoT sensors



Weather sources



Connected vehicles



Navigation apps



The trust gap

But choose to rely on manual tools:



Phone detection



CCTV validation

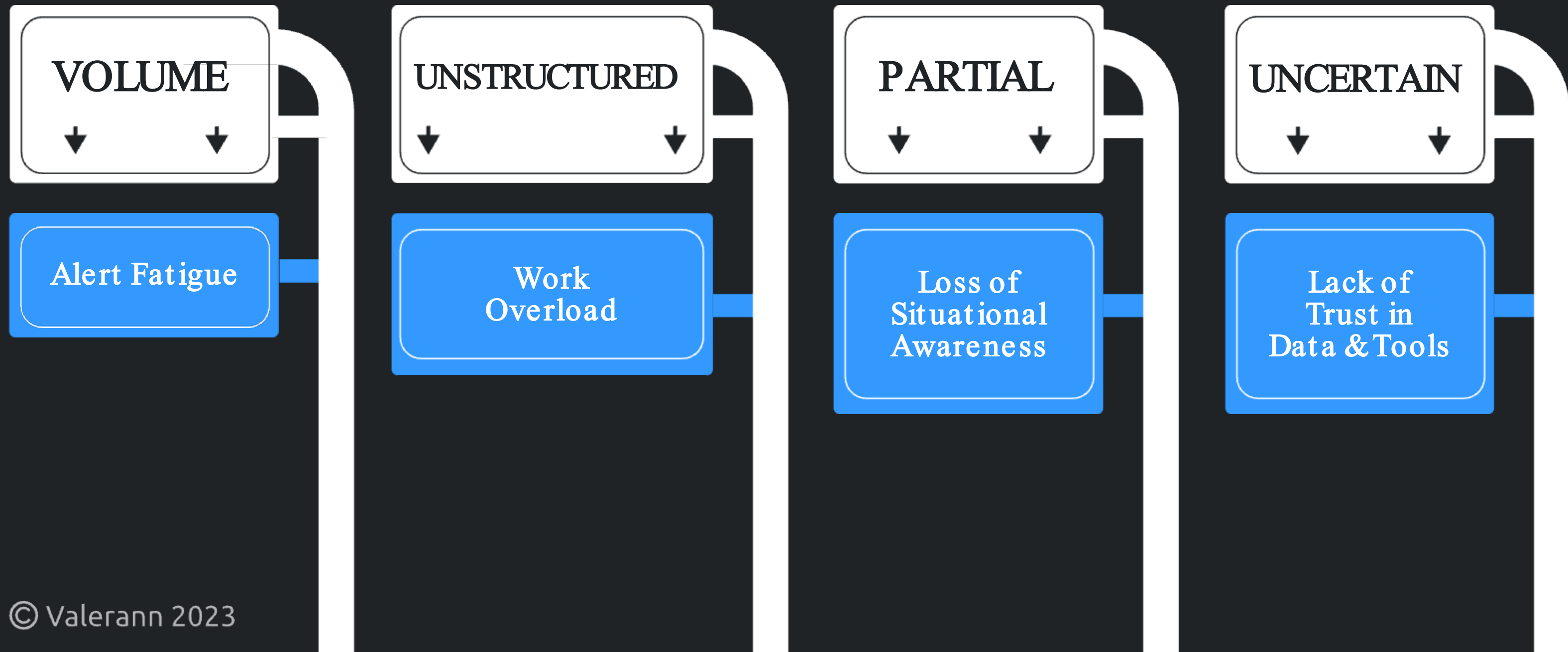


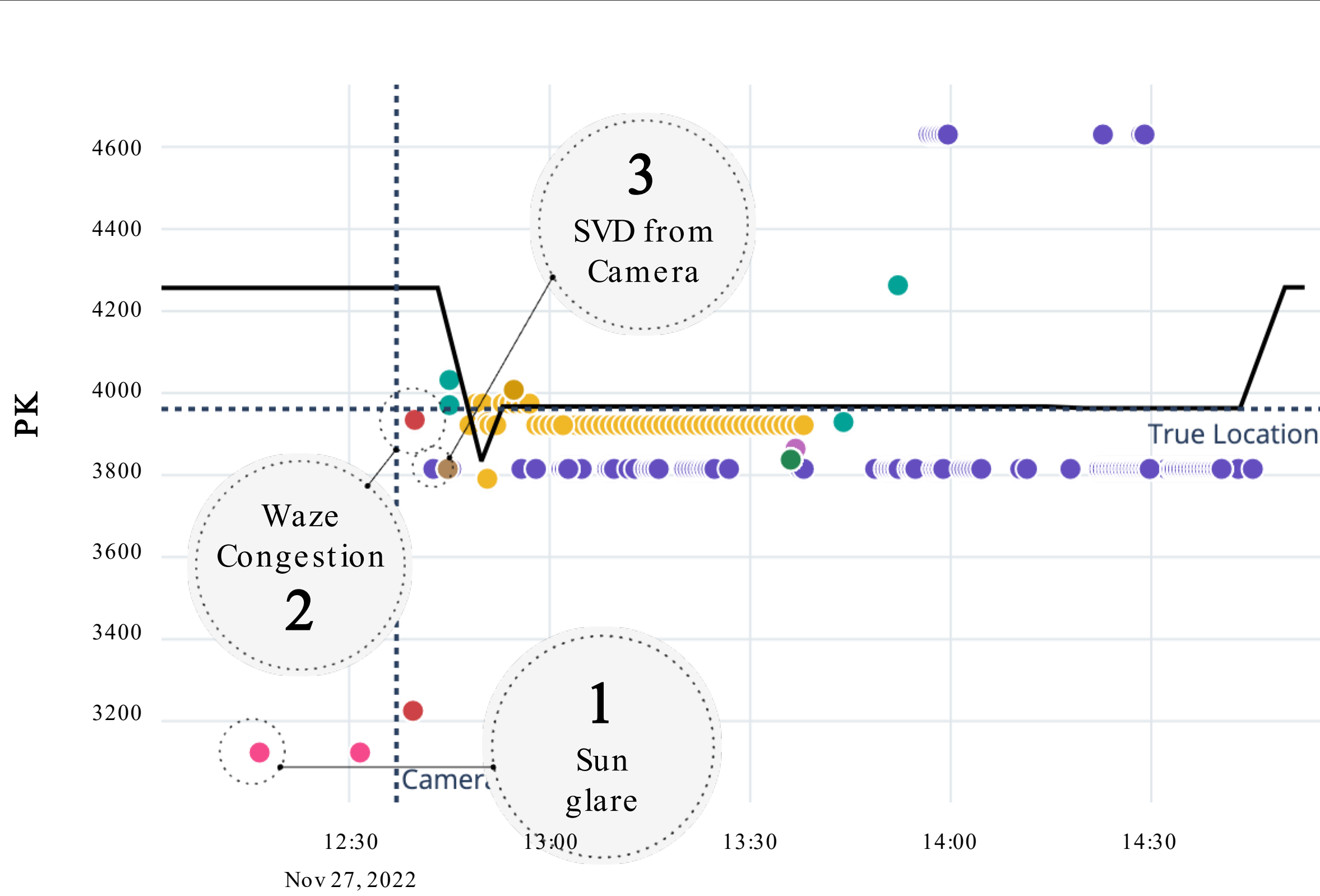
Patrol response

Decreasing ability to save lives today, and relevance to support connected vehicles tomorrow



4 Data Challenges





- Camera SVD
- Waze Major Accident
- Waze Congestion
- Waze Road Work
- Waze Accident
- Waze Severe Congestion
- Waze Undefined Interference
- Camera Potential Reduced Visibility
- Camera Pedestrian On Road
- Ambulance



VALERANN



Fusion combines the best of everything

	Coverage	% Vehicles	Richness	Accuracy	Robustness	Latency
Machine Vision	-	+	+	+	-	+
CAV	+	-	+	+	+	-
Social Media	+	-	+	-	+	-
IoT Sensors	-	+	-	+	+	+
FUSION	+	+	+	+	+	+

A LANTERNN BY VALERANN[®] USER:

“By having early road incidents notifications, we are able to shorten our response time, also on parts of the road where we don't have ITS infrastructure”

88%

Improvement
in response
relevance

25%

Improvement
in response
time

40%

Reduction
in accidents

The content of this presentation is confidential – do not share without Valerann's consent



VALERANN

THANK YOU!

Michael Vardi, CBO

michael.vardi@valerann.com

© Valerann 2023