





SMHS-IAI-0005 – Key Features

## THE MOST VERSATILE EDGE COMPUTE SOFTWARE IN TRAFFIC



"Our technology is designed to leverage existing and emerging technologies to create a fully integrated smart transportation infrastructure." Kevin Yorke, CEO

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## **SBLUE-BAND**





**1. Traffic Signal Control:** The Integrator-AI receives data from sensors (like LIDAR or cameras) and makes decisions on traffic light timings to ease congestion or prioritize emergency vehicles.

2. Vulnerable Road User Safety: By integrating with pedestrian detection systems, it can extend crossing times for slower pedestrians or alert drivers of pedestrians in crosswalks.

**3.** Incident Management: In the event of accidents or road obstructions, the system can reroute traffic and inform drivers via connected digital message signs.

- 4. Connected Road-User Messaging: Create and automate safety messages to connected road users.
- 5. Un-Connected Road-User Messaging: Dynamic message signs and flasher control.
- 6. Data Collection for Urban Planning: Collects traffic and pedestrian data for better city planning and infrastructure development.
- 7. Automate SPM+: Automate signal performance measures and run reports for efficient and safe corridors.
- 8. Maintenance support: Track uptime and health of all networked devices.

In essence, the Integrator-AI is a city's command center, a central brain that at each location connects and communicates with various devices and fuses the data to make an informed decision and provide actionable interventions in real time to make traffic flow smoother, keep pedestrians safe, and provide invaluable data for the future.

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