IntelliConnect

INFRASTRUCTURE MANAGEMENT

IntelliConnect Infrastructure Management System (IMS) enables transportation agencies to break down data silos and continuously manage all roadside infrastructure. IMS contains out-of-the-box, fully configurable features and functions which are required to monitor and maintain modern roadways.

Camera   **RSU**   **Sensor**

CONNECT

Device-agnostic controller connects roadside devices like sensors, LiDARs, cameras, RSUs, and others using built-in device drivers and configurable APIs.

PROCESS

The intelligent edge controller with AI/ML capabilities collects, filters, normalizes, and fuses data from multiple sources; converts the data into J2735 and standard format; and runs traffic safety applications.

COMMUNICATE

Powerful edge controller processes traffic applications in real-time and sends messages/alerts to existing devices and applications like dynamic message signs, ATMS, TMC support staff, HAR, flashers, 511, connected vehicles (C-V2X / DSRC), and non-connected vehicles via CarPlay.
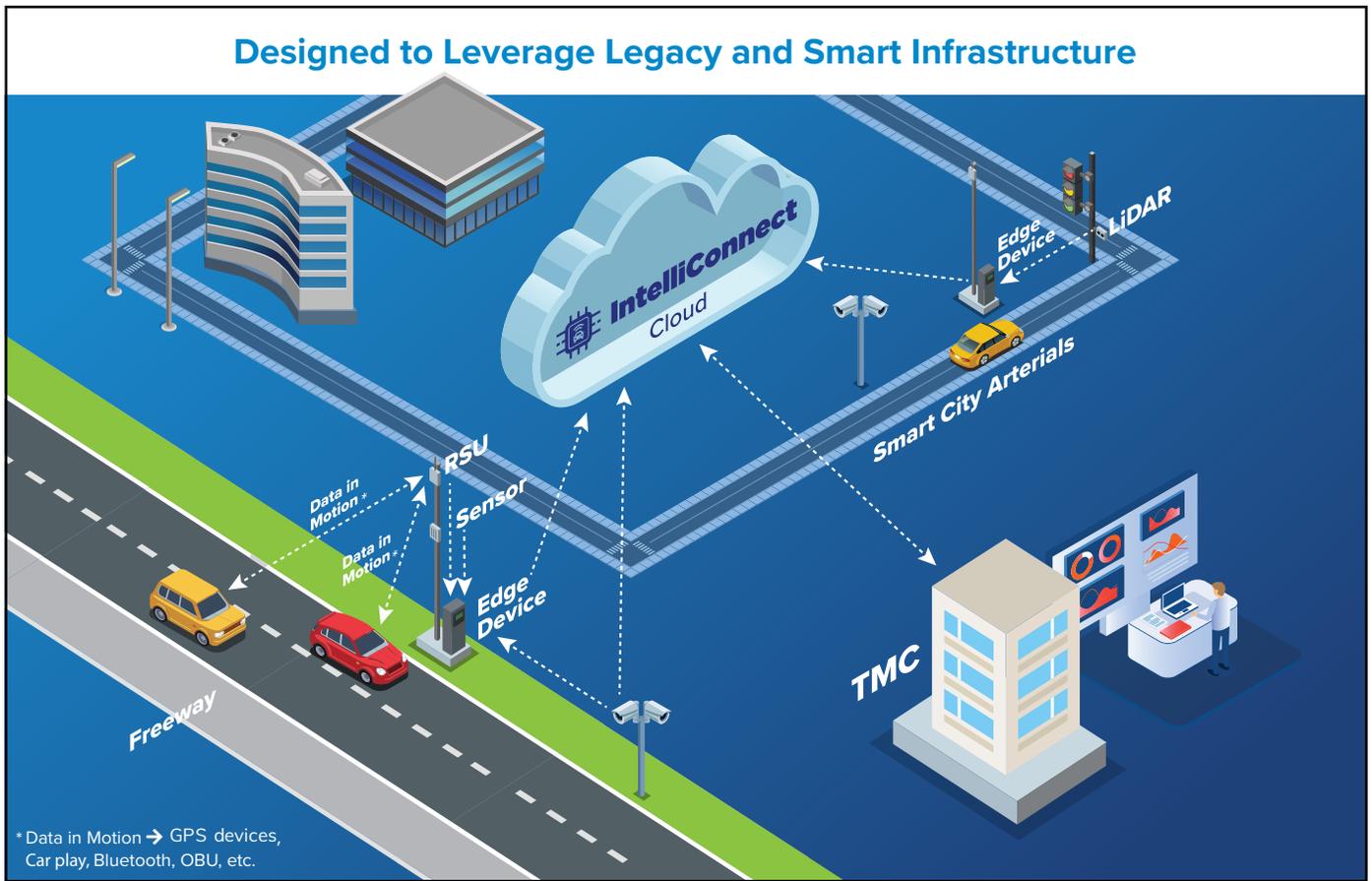
Infrastructure Health Monitoring

▶ Real-time health monitoring & alerts of roadside equipment

▶ Centralized management of roadside equipment

▶ Detect roadside infrastructure anomalies

▶ Remote firmware updates

Data Standardization & Management

▶ Break down data silos & prevent vendor locking

▶ Standardize data for traffic management personnel use

▶ Cleanse & enrich data to remove inaccurate & duplicate information

▶ Provide data analytics

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A SOLUTION BUILT FOR:

▶ **Safety:** Reduce fatalities, injuries, and property damage

▶ **Security:** Keep motorist data secure on its way to transportation management centers

▶ **Mobility:** Improve roadway throughput and efficiency

▶ **Operational Excellence:** Greater visibility on the roadways for faster and better management of traffic operations

▶ **Environmental Responsibility:** Reduce fuel consumptions and emissions

Designed to Leverage Legacy and Smart Infrastructure

IntelliConnect Cloud

Edge Device — LiDAR

Smart City Arterials

RSU

Sensor

Data in Motion *

Data in Motion *

Edge Device

TMC

Freeway

*Data in Motion ➔ GPS devices, Car play, Bluetooth, OBU, etc.

Vision Zero | Accelerating progress to vision zero through connected and managed roadways

IntelliRoad
A DIVISION OF KYRA Solutions

Future-proof Your Investment with a Hardware and Communication Protocol Agnostic Platform.

intelliroad.io

Price for GDOT

Infrastructure Management Solutions		Annual License	Annual License	Annual License
		Small	**Medium**	**Large**
RSU Health Monitoring Solution - Stand-Alone Solution	Maximum Number of Devices	50	500	2000*
	Health Monitoring Data Management up to	50 GB	250 GB	500 GB
	Notification Management	5000 per month	25000 per month	50000 per month
* Check for additional devices		**$50,000.00**	**$135,000.00**	**$250,000.00**
Data Standardization - Stand-Alone Solution	Includes Data Ingestion, Data manupulation, Data Integrator, KPI, Alerts/Workflow, etc.	Number of sources 2-5	Number of sources 5-25	Number of sources >25
		Number of data points - upto 20	Number of data points - Upto 40	Number of data points >40
		$70,000.00	**$150,000.00**	**$275,000.00**
Installation and set-up each of the solutions	One-time charge	**$15,000.00**	**$20,000.00**	**$25,000.00**
Cloud Hosting	Cost for both solutions will depend on the scope and data	**$25K to $75K/year**		