



SCHOOL BUS

THE COMPLETE SCHOOL BUS MONITORING SOLUTION
WITH GPS AND RFID TECHNOLOGY



The SilverStar Monitoring Solution provides a detailed real-time insight into school bus operations, allowing accurate **performance control**, installation of additional safety features (to prevent over-speeding) and **reduction of operating costs**.

With the help of SilverStar tracking systems installed in school buses, school officials can locate exactly where their buses are at all times.



Our various software products and services are documented to have saved money and increased efficiencies for student transportation departments by the thousands.



SilverStar provides a real-time record of school bus stops, which is important to school officials when it comes to knowing the exact times when school buses are making stops. Access through a password-protected Web site gives school officials secure access of the location and performance of their school bus fleet.

Parents can be provided with a login to enable them to see the exact location and accurate ETA of their children via SilverStar's advanced Passenger information services. Additional information available would be entry and exit times from schools and bus yards and student ridership information.

Routing Optimization enables safest/optimal routes calculation and reduces travel times, while remote prognostics and predictive maintenance help to ensure vehicle reliability.



Key Benefits for Your School

- ✓ **Affordable tool:** cost effective tool for compiling useful data
- ✓ **Year to year comparison:** ability to archive historical periods, and create benchmarks for year to year comparison.
- ✓ **Automatic data collection:** automatic gathering of student, driver and bus information
- ✓ **Useful for all operations of all sizes:** designed to be scalable for any size fleet.
- ✓ **Easy deployment:** web-based system for easy deployment and minimal maintenance.
- ✓ **Dynamic charts:** easy to read charts with links
- ✓ **Graphs:** integrated graphing

Features

ON THE MAP

- location, time and speed
- bus stops
- ignition on/off events
- speeding and idling
- entry/exits from schools/ bus yards



REPORTS THAT HELP

- route activity with mileage and duration
- bus stop locations, times, durations
- school arrival/departure times
- idle time summaries and locations
- mileage and engine hours



ALERTS THAT WARN

- emergencies
- speeding
- pre-trip inspection failures
- preventative maintenance



Our System will transmit the following information in real-time:

- ✓ Ignition on/off
- ✓ bus stop times, locations, loading/unloading times
- ✓ location, speed, and direction between stops
- ✓ mileage traveled on routes or trips
- ✓ speeding and excessive idling
- ✓ entry and exit times from schools and bus yards
- ✓ student ridership and passenger information

RFID based School Bus Management –

Child security in schools by RFID (Radio Frequency Identification Devices) and GPS (Global Positioning System) technology

Parents can now monitor student entry and exit into their school bus. Already implemented by some leading schools in India, this system is fast gaining popularity. SilverStar brings RFID technology for school bus ridership management in India. Students are issued RFID cards, and the reader on the bus identifies when and where a student enters or exits the school bus.



How does using RFID cards enhance the school bus system?

Improves student safety and security.
Schools can provide better accountability to parents
No child will get up on the wrong bus by mistake
A child can't get off at another(not their own) bustop
So SilverStar gives school bus operators, school officials and parents the peace of mind that comes from knowing where their children are while making their trip to and from school. This is a tried and tested technology and is accurate and reliable.



Ease of Use

The unique RFID cards issued by SilverStar need not be carried and swiped by the child. Even if the RFID card is placed in the backpack, our readers can read them. As the student passes the card reader upon entering or exiting the bus, the time, date and location are logged and transmitted to our secure database. The school system and parents can access our application at www.sstracking.com.

Our RFID system is fully integrated with our GPS School Bus Tracking Solution and offers one of the most relevant monitoring systems in the school bus industry. All information is accessible on the web and alerts are sent as SMS or email. A message may be sent to the parent every time the student enters and exits the school bus.

Features of our system

- Secure Passive RFID smart cards for students.
- Smart card for Drivers/Attendants for proper authentication.
- Email alerts and Online real time status.
- SMS message for registered Parents/Guardians mobile with information on entering or leaving school bus by the child, or any emergencies.
- Reduce anxiety and tension among Parents/Guardians about the safety of their wards during transportation to school.

