Athena as an OEM provider, offers the following advantages for passenger bus cabins

Athena embedded in the passenger cabin with a main unit and connections to more strategically placed sensors.

Providing an enhanced user experience
- Accessing all of the passenger cabin sensors.
- Using AI analytics, the passenger cabin environmental systems are activated.
  - Monitoring the CO_2 levels to determine fresh air intake, by window or recirculation settings.
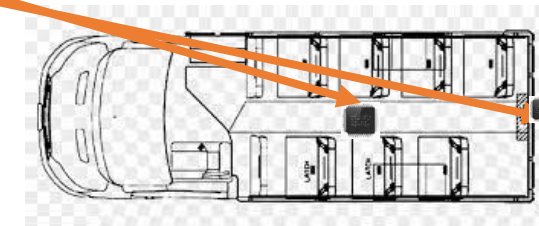 - Setting cooling and heating temperatures accordingly.

Automated options for energy and safety
- Using AI analytics to confirm passenger cabin is occupied.
  - Passengers per seat, including movement in cabin.
  - Passenger count is maintained throughout the journey.
  - After the driver exits, the system starts detection for life in the cabin. If needed, the system starts reactionary steps.
  - Athena contacts local First Responders with vehicle location and any other saved pertinent information.

A virtual drivers assistant in each cabin
- Athena has an independent / redundant designated connection with the driver and base station.
- Athena sends data to base, providing live data on who got off, where and when.

Main Athena unit is at center cabin and Secondary 20cm off the back floor with full view forward.

Athena options include the sending of a text to the designated drop-off person, by way of the base station (for security) who is supposed to meet the "Young" child upon exit. If that person doesn't confirm, a secondary person is contacted. No child should be left at the curb.

Athena can access the vehicle's GSM / Wi-Fi and GPS systems for communications and alternatively it comes with its own GSM / Wi-Fi and GPS systems as an option.