

The Skyss success: Transforming fleet operations with data insights

Stop	Time
6 Birkelundstoppen	15:13
Årstadveien	5 min
Kalvedalsveien	4 min
Kalfarlien	3 min
Stadsporten	1 min
Nygaten	0 min

Project at a glance:

- **Partner:** Skyss and Consat Telematics
- **Location:** Vestland County, Norway
- **Objective:** To provide a comprehensive mobility solution supporting sustainable public transportation and enhancing the passenger experience through advanced vehicle and traffic management systems.
- **Completion date:** Initial project started in 2012, renewed in 2024, valid through 2030

Skyss operates a diverse fleet of buses, including gas, electric, trolley, and diesel models. With the 2G network being phased out they saw the opportunity to implement the new Consat Telematics solution that would improve efficiency and enhance the travel experience for passengers.

Skyss is Vestland County's public transportation authority, managing a broad public transportation network that includes buses, light rail, ferries, and express boats. With a focus on sustainable and customer-friendly transportation, Skyss helps achieve Vestland's mobility goals through effective network planning, school transportation coordination, and competitive tendering.

In 2023, Skyss reached an impressive milestone with over 89 million boardings, highlighting its development as a unified mobility authority. A significant part of this success comes from its partnership with Consat Telematics, which began in 2012 and was renewed through 2030. This collaboration gives Skyss the tools it needs for effective monitoring and contract compliance.

Consat Telematics equipped 900 buses with advanced vehicle computers and is now upgrading the fleet with their latest model, the CVC. This new computer offers enhanced features such as real-time positioning, driver assistance, passenger information, automated passenger counting, and centralised traffic management. With 24/7 support, this solution enables Skyss to provide reliable and modern transit services for the people of Vestland.



“The new setup now features stronger cabling and enhanced functionalities that integrate seamlessly with our buses.”

– Jan-Roger Røys, System Administrator at Skyss

The situation

Skyss and their public transportation operators operate a diverse fleet of buses, including gas, electric, trolley, and diesel buses. Recently, the company encountered a significant challenge: the 2G network was being phased out, requiring a complete upgrade of their technology. This upgrade wasn't just about replacing old equipment; it was also an opportunity to implement new solutions that would improve efficiency and enhance the travel experience for passengers.

“The main reason we needed to upgrade was that the 2G network is shutting down. We had to replace all the old equipment with new. That's when Consat Telematics offered us the chance to use their latest devices. We decided to give it a try and go for the newest technology during this extensive upgrade. It was a combination of necessity and the understanding that sometimes devices need to be replaced.”

– Jan-Roger Røys, System Administrator at Skyss

This strategic decision not only addressed the immediate need for modernisation but also positioned Skyss to improve operational reliability and ensure their services align with the latest technological advancements. Committing to upgrading their infrastructure was essential for maintaining high standards in public transportation and meeting the expectations of a growing number of passengers.

Functionality

- Real-time bus monitoring and contract compliance
- Driver assistance
- Real-time positioning
- Passenger information systems
- Onboard TFT displays
- Automatic passenger counting
- Signage and announcements

“Having computers onboard the buses allows us to constantly monitor their health and ensure our operators are performing as expected. We can verify that the buses operate efficiently and that all signals are received.”

– Jan-Roger Røys, System Administrator at Skyss

900

vehicles equipped
with our solutions

300

Consat Vehicle
Computers (CVCs)
installed

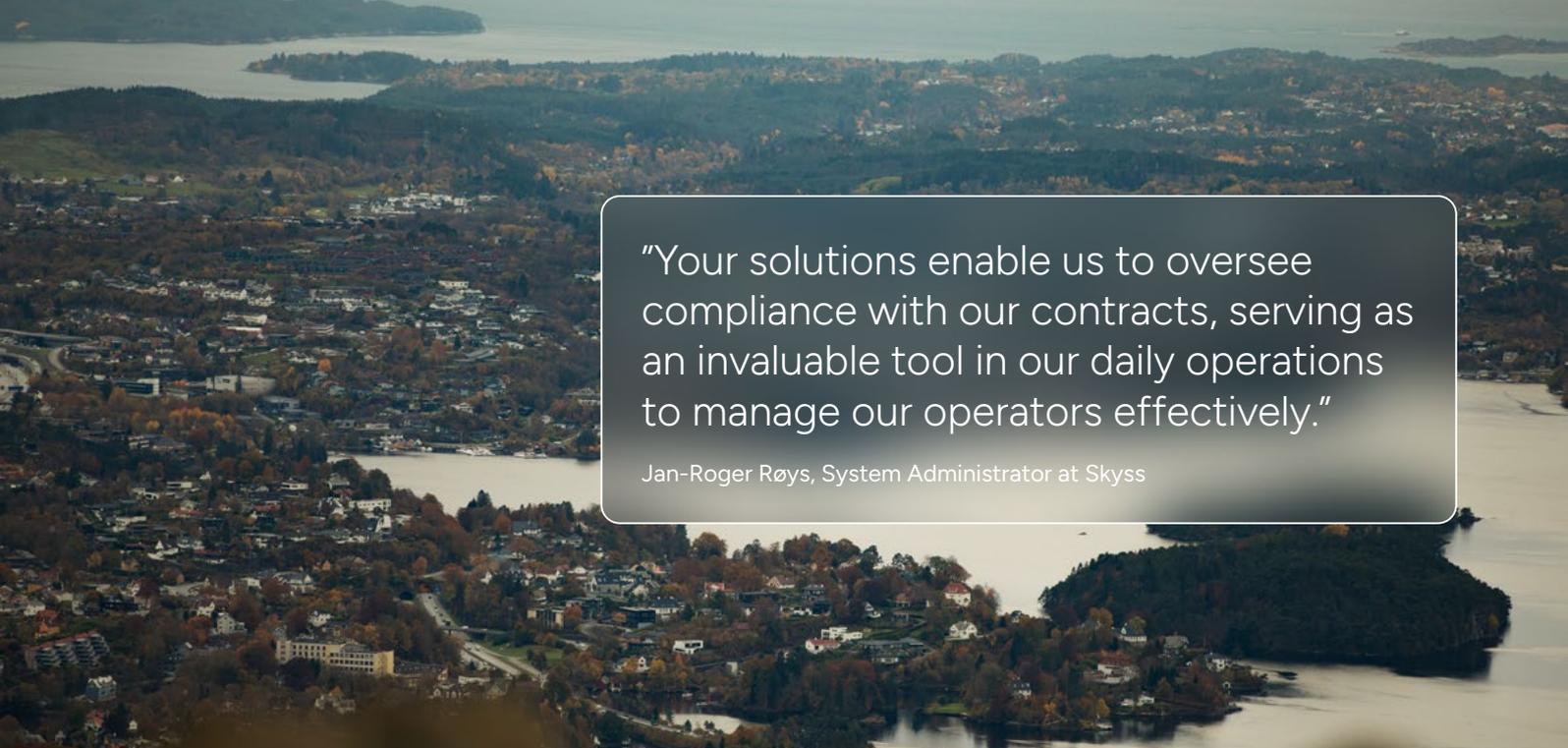
The solution

In collaboration with Consat Telematics, Skyss implemented an advanced solution that includes driver displays, onboard computers, public displays for passenger information, automatic stop announcements, and automatic passenger counting. The project initially started with 500 buses and has now expanded to encompass 900 vehicles. In September 2024, 50 new Consat Vehicle Computers (CVCs) had been installed – today, that number has grown to 300. The solution includes hardware, software, ongoing development, and 24/7 support to ensure seamless integration with Skyss’s operations.

- Driver displays and central vehicle computers provide seamless access to critical operational data within each bus.
- In-bus public displays keep passengers informed with real-time service updates and route information.
- Automated stop announcements enhance the passenger experience with clear, timely notifications of upcoming stops.
- Automated passenger counting delivers accurate data to support operational insights and resource planning.

“Your solutions enable us to oversee compliance with our contracts, serving as an invaluable tool in our daily operations to manage our operators effectively.”

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Summary

- Continuous monitoring of bus performance.
- Ensuring operators meet their duties.
- Confirming buses are running as intended.
- Verifying proper signal reception.
- Ensuring full contract compliance.

Summary

Skyss has successfully transformed its public transportation system by upgrading to Consat Telematics' newest technical solutions. This collaboration has allowed Skyss to maintain constant oversight of bus health and operational compliance, ensuring that service contracts are met effectively. The renewed partnership, set to last until 2030, further solidifies Skyss's commitment to providing modern, efficient public transportation.

Value for the customer

The solutions provided by Consat Telematics deliver significant value to Skyss and its passengers:

- Enhanced travel experience with real-time monitoring and updated passenger information, ensuring a smooth journey for 89 million boardings annually.
- Reliable services supported by vehicle computers and driver displays, maintaining consistent and dependable transport services.
- Timely information through automatic announcements and public displays inside buses, keeping passengers informed throughout their trip.
- Operational transparency by allowing Skyss to monitor bus performance in realtime, promoting accountability among operators.
- Data-driven decision making using passenger counts and performance data to optimise operations and improve efficiency.



Traffic Control and Monitoring

Manage daily operations with real-time information and data insights.

Vehicle and Fleet Management

Vehicle telematics integrated into public transportation for complete control.

Passenger Information

Enhance the travel experience for all public transportation users.

Driver Assistance

Enhance hiring appeal while supporting the driver in their daily work.

Electromobility

Seamless integration with existing public transportation operations, providing a unified view of the entire fleet.

Data Insights

Offering valuable insights for continuous improvement in public transportation operations.

Bringing intelligent public transportation to life

Consat Telematics is dedicated to reducing the environmental impact of public transportation through cutting-edge innovation and widespread implementation. Aspiring to global leadership in executing electrification and digitalization within public transportation, we serve diverse markets and organizations.

Our promise is a user centric, modular, and adaptable intelligent public transportation solution that never compromises on quality, reliability, and security. By placing our customers at the core, we ensure that more organisations can receive better data to monitor, manage, and improve their operations.

Contact for more information or a demo:

www.consat.com/telematics/

