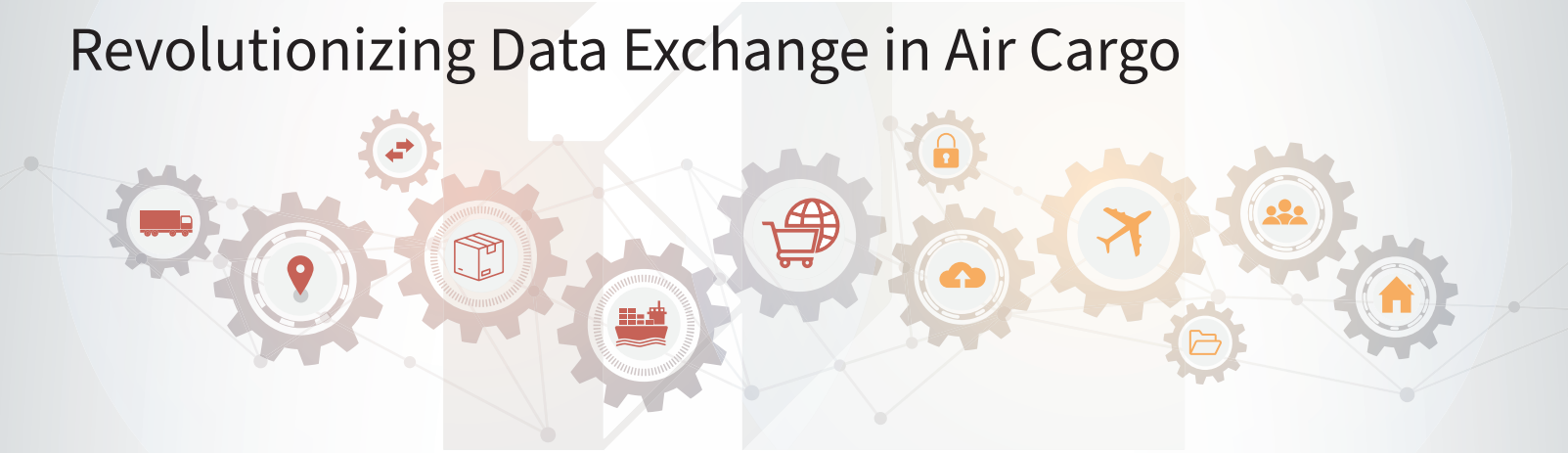


ONE Record

Revolutionizing Data Exchange in Air Cargo



The Challenge and Our Solution

The air cargo industry is facing significant challenges driven by the increasing demand for speed and transparency, especially in eCommerce. However, fragmented and outdated data exchange systems create barriers, hindering seamless communication across the supply chain.

Our **subproject A, ONE Record**, addresses these issues with a future-proof, standardized solution that enables end-to-end data exchange between consignors and consignees. This approach ensures smooth communication and real-time collaboration across the entire supply chain.

Key Initiatives Include:

- ▶ Advancing the **ONE Record standard** and expanding the open-source **NE:ONE® server software** to establish a unified platform for global data exchange.
- ▶ Introducing the **NE:ONE® tag label** and **NE:ONE® tag app**, with upcoming enhancements for optimized data flow.
- ▶ Further developing **SmartPouch** and **Digital Avatar** technologies utilizing IoT sensors and simulation-driven decision support to improve transparency, monitor shipments in real-time, and enable smarter decision-making.
- ▶ Fostering a **community** of ONE Record users and developers to promote **open source**-based innovation and collaboration.



<https://git.openlogisticsfoundation.org/wg-digitalaircargo/ne-one>












Key Benefits and Expected Outcomes

By implementing ONE Record, we aim to achieve measurable improvements in the air cargo industry, including:

- ▶ Fully digital information exchange.
- ▶ Improved communication and collaboration through standardized processes.
- ▶ Increased operational efficiency by reducing errors and delays as well as integrating the NE:ONE® tag, SmartPouch, and Digital Avatar for enhanced data flow.
- ▶ Fostering innovation by encouraging open-source contributions and global collaboration.



Partners

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