

Schaeffler

Key Supplier Connects to Schaeffler
via ArcESB AS2



X12

ZIP

SFTP

FTP

Introduction

Schaeffler is one of the world's largest family-owned companies and auto parts manufacturers. Schaeffler generated about \$16.1 billion of sales during 2017 and has more than 92,000 employees. With about 170 locations throughout 50 countries, Schaeffler has a worldwide network of manufacturing locations, research and development facilities, and sales companies.

Managing its massive global supply network is a tall task, so Schaeffler set out to automate purchasing processes via EDI technologies in order to:

- Boost supply chain efficiencies
- Standardize processes
- Save countless hours of manual data entry and communications
- Reduce human error
- Control costs

To that end, Schaeffler increasingly conducts logistics transmissions over the web using accredited EDI services. Due to their low cost, high efficiency, and reliable security, they use popular, standardized, secure online transmission protocols such as AS2, OFTP2 and SFTP to send and receive messages.

As a result, Schaeffler suppliers also needed to implement EDI technology so they can connect seamlessly with Schaeffler over AS2.

The Challenge: Complying with Schaeffler's Automated EDI Requirements

As a result of Schaeffler's drive toward EDI and business process automation, one of their biggest logistics transportation partners needed to make technology upgrades in order to comply with Schaeffler's EDI process.

All purchase orders, shipping updates, and related messages needed to be standardized. The ERP systems used by Schaeffler and their logistics partner needed to be integrated. And automated EDI flows needed to be triggered when the two would exchange key messages.

Undertaking this type of automation came with specific challenges:

- The logistics partner had a different ERP than Schaeffler, with different message structures, necessitating EDI transformation and integration.
- The logic behind the integration had to combine real-world business processes and screen for the right information required for each transaction - EDI validation testing would be required.
- EDI mapping would be needed to maintain one-to-one correspondence and maintain parity.

To make the integration work, Schaeffler needed a reliable and secure EDI solution, as well as some integration expertise. Enter ArcESB and its network of EDI integration partners.

The Solution: Seamless EDI AS2 Integration with ArcESB

The logistics transportation company selected ArcESB, an effective middleware that helps users efficiently transfer information without added complexity.

Specifically, they set up an EDI connection using ArcESB's Drummond-Certified AS2 connector, providing robust security, including signatures, S/MIME encryption, digital certificates, and MDN receipts. ArcESB provides customers with a solution that's easy to operate, manage, and automate.

The automated connection works as follows:

- The logistics company's database receives the EDI file transmitted by Schaeffler through AS2 and saves it for development and analysis.
- When the logistics company needs to send the file back to Schaeffler, the logistics company extracts the data from its database and automatically develops and generates an EDI message.
- The EDI message is then sent to Schaeffler via the AS2 Connector found in ArcESB.

The entire process can be easily set up and automated in ArcESB's easy-to-use visual integration canvas.

The EDI message standard required by Schaeffler is EDIFACT. The business type of docking is:

- Logistics partner receives: IFTMIN Waybill – Cargo Address Information
- Logistics partner sends: IFTSTA Return Order – Feedback Logistics Status

The Results: Rapid Automation and a Happy Customer

Through the integration of ArcESB and the deployment of the EDI file parsing code, Schaeffler's logistics partner can automatically parse EDI messages into an XML format, which is readable by their ERP system.

Similarly, through the deployment of the EDI file generation code, XML files can be auto-generated into EDI and directly connected to Schaeffler's system through ArcESB AS2.

The process not only saves costs, it also improves logistical efficiency, a core business function and value-added deliverable to Schaeffler. The process efficiently meets a range of needs:

It complies with Schaeffler's EDI specification, using a custom mapping that fits Schaeffler's specific business processes.

- It entirely eliminates any need for human data input, saving countless hours.
- It's a repeatable process they can easily reuse with other EDI partners.

Additionally, the entire file transfer process is safe, secure, and reliable.

About ArcESB

ArcESB provides high-performance, reliable, and fully-extensible products that simplify the process of producing, consuming, and integrating data. The RSSBus products enable a simple yet effective layer of middleware that helps users drive information flow without the added complexity that is common across other integration solutions.

At ArcESB our goal is to provide customers with the tools necessary to seamlessly integrate applications, services, and data without having to manage additional layers of complexity. We know your organization places a large investment on data management and we are proud to be a trusted provider of data integration products.

Browse our [Connectors](#) or see our [Application Integration](#)