Axway Solutions for the Automotive Industry

Powering smooth, lean supply chains worldwide

For more than 20 years, Axway has been helping auto manufacturers and suppliers adapt to ever-changing standards and interoperability requirements, and integrate their partners and processes across the global automotive value chain.

In today's global business landscape, automotive OEMs and suppliers face tough challenges, including reorganizing to address new regulatory and economic realities, merging or splitting business units to strengthen long-term viability and market positioning, and competing or partnering with new OEM suppliers in Asia, South America and Eastern Europe.

A smooth and efficient supply chain is the key to turning these challenges into opportunities that promote future business prosperity. And the key to a smooth and efficient supply chain is an IT environment capable of orchestrating all of its many interdependent moving parts.

Based on a pre-configured B2B integration platform designed specifically for the industry, an Axway automotive solution can help you:

- **Manage, integrate and track complex file transfers and transactions** — from orders to payments and everything in between — enabling straight-through processing and better inventory management for Just-in-Time (JIT) / Just-in-Sequence (JIS) manufacturing, better communication and collaboration internally and with business partners, and faster response times to meet demanding SLAs.
- **Improve process visibility and transparency** for quick, informed decision-making. Axway automotive industry solutions can aggregate file transfer and process data and display it as dashboard information in near real-time, eliminating costly downtime and unpleasant "surprises" in your supply chain.
- **Speed time-to-market** with fast partner on-boarding and easy integration of new processes, business units or acquisitions with pre-configured scenarios, mappings and communication protocols for all typical business processes.
- **Mitigate risk, improve agility and derive more value from your existing IT assets** with centralized policy-based governance and security capabilities.

Axway solutions for the automotive industry enable manufacturers, OEMs and suppliers to optimize supply chain efficiency by consolidating data exchanges on a single B2B integration platform, improving process visibility and transparency, and enabling multi-enterprise collaboration within secure and easy-to-manage online trading communities.

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"We use Axway Transfer CFT for 100 percent of internal data exchange, and the entire system can be administered by just a few people because so many processes are flawlessly automated. There is simply no comparison between our Axway solution and the file transfer methods of the past."

Thomas Schott
IT Manager
REHAU Group

"We now have one central TradeSync Integration Manager, which is the same system for all regions. It is our central hub for integration and communication. Our customers benefit from the same functionality and the same applications all over the world. The consolidation to Axway's solution brought reduced maintenance costs and harmonized business processes worldwide. Within the global EDI team, we now need one common skill-set, which means we are better organized, and we can offer improved service to internal departments and to our trading partners."

Josef Radlbeck
Head of EDI Business Integration
Continental Automotive

Streamline your supply chain — no matter how complex

Axway solutions for the automotive industry can integrate, control, secure and monitor internal and external processes and data exchanges, from start to finish, across your company's entire automotive value chain. Built on an open platform and augmented with industry-specific protocols, formats, transformations, orchestrations and specialized services, they streamline complex production and delivery processes for maximum flexibility, efficiency and quality.

Axway Automotive solutions also integrate with Axway Governance components for end-to-end visibility, policy-based governance, community management, and email and identity security.

Seamlessly integrate suppliers, customers, partners and transactions to your applications

With Axway TSIM B2B integration solution

Although the automotive industry has invested in ERP systems for years, these applications were never designed to exchange transactions and automate complex business processes with suppliers, customers, and partners into a seamless and productive supply chain.

Axway TSIM platforms fill this gap, extending your ERP to your B2B community by integrating all business transactions, including orders, order response, deliveries, invoices, self-billing and forecasting.

Axway TSIM can handle anything from simple EDI projects to consolidated hubs spanning multiple countries. Axway TSIM includes a full arsenal of capabilities that make it unique in the market today – such as fast implementation, a very rich library of formats, and predefined maps and orchestrations for automotive standards, key OEMs and ERPs.

Axway TSIM also includes a powerful any-to-any visual eclipse-based mapping tool, a rich set of native integration protocols (including SAP), and a built-in orchestration engine.

Axway TSIM is available as licensed software, and public or private cloud.

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Improve business agility, visibility and control

With file-based application integration and multi-site file transfer

Every part of your business, from automated equipment and tools on the assembly line to each and every truck delivering parts, needs to synchronize information in order to efficiently produce and deliver cars. With an Axway Managed File Transfer solution, you can meet this complex data exchange requirement and gain better control over your operations by consolidating diverse business-to-business (B2B), application-to-application (A2A) and ad hoc person-to-person interactions in a centralized and secure solution.

An Axway automotive solution enables you to:

- **Automate data transfer and transformation** between disparate, distributed systems. Axway provides inherent data-conversion capabilities across more than 20 platforms, including Windows, UNIX, Linux, mainframes and AS400.
- **Simplify administration and ensure high availability and reliability** with guaranteed delivery, checkpoint/restart, resubmit and near real-time document exchange (as opposed to batch or once daily).
- **Gain end-to-end visibility** into file movements to give your IT staff, plant managers and trading partners the information they need to better manage the supply chain. Real-time alerts allow them to detect and correct malfunctions before they jeopardize your SLAs or interrupt operations.
- **Transparently enforce policy-driven governance and security measures** to protect data and simplify compliance with industry and government regulations, as well as with your organization's internal security and privacy policies.

Reduce invoicing costs and increase processing speed

With certified eInvoicing capabilities

Axway automotive industry solutions enable 100 percent electronic transmission of invoices and credit notes, which reduces processing costs by eliminating the need to send summary invoices on paper or by fax.

The Axway eInvoicing solution conforms to VDA 4938 T2 and T3, GALIA, and GS1 France EANCOM (V2 and V3) requirements. Axway eInvoicing includes data validation, archiving, web-based retrieval, and generation of a human-readable format from the EDI legal message. It also supports standard communication protocols (including optional encryption), and logs all sent and received processes in a transfer journal.

On-board suppliers of any size

With a high-performance WebEDI supplier portal

Axway's automotive supplier portal is designed to integrate suppliers of any size into online trading communities. The WebEDI portal is a high-performance WebEDI system that enables companies to exchange data with all of their business partners — even partners who do not have their own EDI systems in place.

Providing a WebEDI supplier portal access to partners can help you:

- **Reduce operational costs** by eliminating manual processes and reducing error and failure rates.
- **Optimize processes** with complete process packages that adhere to specific industry standards, such as ODETTE, Galia and VDA.
- **Onboard partners of any size quickly and easily** — all they need to get started is a PC, Internet access and a browser.
- **Optimize material planning and billing processes** with end-to-end visibility into inventory movement.

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Manage human-to-human interactions with high security

Securely exchange large and/or unstructured files

With Axway's collaborative engineering tools, you can streamline ENGDAT communications with fast, secure file and data transfer between designers and manufacturers (including CAD/CAM models, service descriptions, object lists and images). Data is packaged and sent in accordance with ODETTE or VDA standards using the ODETTE File Transfer Protocol (OFTP/OFTP2).

You can also eliminate unsecured FTP servers and replace costly VANs and VPN connections with support for interactive, user-driven communications via:

- **Email** — Prevent data loss, increase employee productivity and reduce IT management costs by enabling users to securely send files as large as 50GB (such as graphics-intensive marketing presentations or SQL backup files) using the email interfaces they already know, or a web-based interface. They simply click a button to attach and send a file, and automatically and transparently invoke your corporate security policies, including content filtering and encryption.
- **Portal** — Provide secure file transfer services through a zero-footprint web interface. Behind the scenes of your familiar service portal, a completely transparent Axway gateway guarantees delivery and data integrity, secures data streaming across the DMZ, supports flexible enterprise authentication and repository encryption and enables complete, efficient auditing.

Both options support single sign on and LDAP integration for easy on-boarding of new users while maintaining the ability to set and enforce global policies beyond your corporate network.

"Transferring large files with enhanced security rules often used to take two days. Now it is done in half an hour. It is an entirely worry-free procedure for everyone involved."

Torsten Kynast
Head of IT
Knott

Improve Efficiency, security, and visibility across your global supply chain

With Axway Track & Trace EPCIS (GS1 EPCglobal standard) Event Repository

Axway Track and Trace helps companies combat counterfeiting, improve product recalls, monitor supply chain efficiency, monitor asset movement and status, and more.

Axway Track & Trace provides innovative supply-chain management tools that let you:

- Track and trace any kind of serialized item – vehicles, parts, materials and more – from creation to point of sale, use and destruction.
- Leverage Axway's powerful EPCIS event repository to collect and consolidate supply chain events from any system, instead of managing supply chain events in multiple siloed applications.
- Share high volume, very fine-grained information about material movement and status among ecosystem partners in a cost-effective way.

"Axway's WebEDI platform is now an essential component of the global Valeo SAP template."

Ulrich Stollbert
Head of IS Group Competence
Center WebEDI

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Your solution, your way

With a flexible architecture and deployment options

Every automotive supply chain is unique. That's why Axway solutions for the automotive industry are based on a flexible architecture that lets you select the MFT and B2B integration functionality you need now, while making it easy and straightforward to add new capabilities in the future.

Comprehensive supply chain integration	
Axway TradeSync Integration Manager (TSIM)	A pre-configured B2B solution to design, automate and monitor integration of supplier, customer and partner transactions and business processes with existing applications. Includes "ready to run packages" containing predefined formats, predefined maps and predefined orchestrations for automotive standards, OEMs and ERP.
Managed file transfer (MFT) — A2A, B2B, ad hoc	
Axway Transfer CFT	A non-intrusive, high-volume A2A file-transfer service that provides a uniform interface to users and applications throughout the enterprise.
Axway Interchange	Reliably and securely connect your enterprise with all of your suppliers, partners, distributors and service providers across private or public marketplaces of any size
Axway Secure Transport	A secure, multi-protocol, directory-based Internet file transfer solution that simplifies and secures data transfer across multiple sites and applications.
Axway Gateway	Connect to partners using a wide range of connectivity methods and quickly integrate new partners and technologies as your business evolves.
Axway File Transfer Direct	Brings traditional MFT principles to email attachments with content-based policy management, encryption, authentication and tracking capabilities.
eInvoicing	
Axway eInvoice	100 percent electronic transmission of invoices and credit notes supporting Odette VDA 4938 T2 and GS1 France (EANCOM 1997 V2 et V3), including archiving, good practice definitions, legal definitions and formats.
Automotive supplier portal	
Axway WebEDI Supplier Portal	A high-performance WebEDI Supplier Portal that enables companies to exchange data with all of their business partners — even when partners do not have their own B2B / EDI systems in place.
Collaborative engineering	
Collaborative Engineering	Enables fast, secure and frequent ENGDAT communications (including CAD/CAM models, service descriptions, object lists and images) between designers and manufacturers.

Axway is a member of ODETTE, and works closely with a number of in-country automotive associations, such as ITA and VDA in Germany.

Axway actively participates in all major automotive industry groups, including ODETTE's Technical Committee, and its OFTP2, certificate management and eInvoice workgroups.

This commitment to active involvement ensures that Axway automotive solutions reflect all current industry trends, standards, and regulations, and helps Axway to define, test, and implement solutions for our customers that are always state-of-the-art.

Today, the majority of the world's top 100 automotive suppliers rely on Axway's flexible solutions for business process integration and multi-enterprise collaboration.

Axway automotive customers include:

OEM
BMW
Volkswagen
GM
Daimler Trucks
PSA
Renault Nissan

Tier 1
ZF
Bosch
Continental
Valeo
Michelin
Magneti Marelli
Leoni
Mann+ Hammer
GKN
Inergy
SAF Holland
Getrag
Raynet
Knott

Track and Trace	
Axway Track & Trace	An EPCIS event repository that can track and trace of any kind of serialized item – vehicles, parts, materials and more – from creation to point-of-sale, use and destruction, enabling companies to combat counterfeiting, improve product recalls, monitor supply chain efficiency, monitor assets movement and status, and more.
EndPoints	
Axway EndPoints	Comprehensive EndPoint options that empower your partners and secure exchanges with your community. **Axway Secure Client** provides RFC-compliant FTP/S, HTTP/S and SSH clients. **Axway Activator** provides EDIINT AS1, AS2 and AS3 clients. **Axway Transfer CFT** provides full PeSIT support.

Learn more today

To learn more about how an Axway automotive industry solution can help you create a smooth and efficient automotive supply chain, call your regional office listed below, email us at axwaysolutions@axway.com, or visit us at www.axway.com.

For more information, visit www.axway.com

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