DIGITAL BUSINESS INTEGRATION FOR THE AUTOMOTIVE INDUSTRY

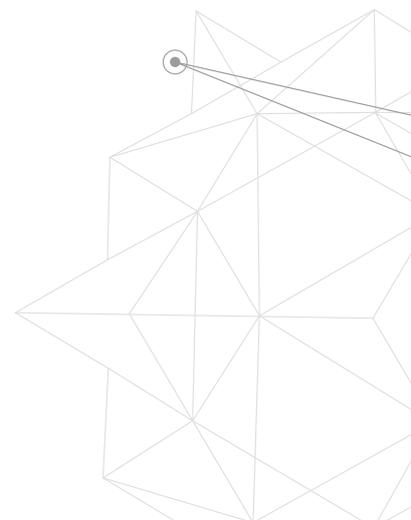axway
business. in motion.

GEARED TO INDUSTRY 4.0

Axway data exchange integration solutions for automotive manufacturing align with the real-time interoperability, virtualization, decentralization, service and modularity principles of Industry 4.0.

For more than a decade, 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.

IT'S NOT ABOUT TECHNOLOGY — IT'S ABOUT OPTIMIZING YOUR BUSINESS

Because today's global automobile industry relies so heavily on IT and the timely flow of accurate data among networked OEMs, suppliers, partners, customers and devices, any advantages you gain in governing this data flow will have a significant, positive impact on your business performance. At Axway, we recognize the evolving data integration challenges and opportunities before you, regardless of where you fall on the automotive digital supply chain continuum. Our solutions optimize your business by helping you:

- Leverage the benefits of cloud and mobile technology
- Gain total visibility and control of data at any time throughout the supply chain
- Collaborate with designers, engineers and business partners more effectively
- Move products through international customs without delay
- Meet all regulatory standards and SLA requirements
- Quickly monitor and analyze processes, shipments and inventories
- Maintain uncompromising supply chain data security and user authentication
- Reliably track and trace critical parts and components
- Streamline and accelerate invoicing and payment processes
- Ensure the investment you make today will also position you for future change
- Speed development of mobile apps
- Give your IT teams the tools they need to make all of the above happen

Continental

Handling more than 1.5 million EDI messages each month and 300,000 function calls per day

WE GIVE YOU SOMETHING MORE: EVERYTHING

With Axway, you have a partner who can deliver all the ingredients needed for an interoperable data integration solution — from beginning to end — so you benefit from the efficiencies and consistent high quality standards only available through a single trusted source.

Pre-Configured B2B Integration
Design, automate and monitor integration of supplier, customer and partner transactions and business processes with existing applications.

Managed File Transfer
Gain better control over your operations by consolidating B2B, A2A and ad hoc person-to-person interactions in a centralized and secure solution.

API Management
Develop, integrate and manage APIs that enable real-time exchange of data between OEMs, suppliers, developers, partners and intelligent manufacturing devices across cloud and mobile channels.

Connected Car Telematics and Infotainment
Connect your back-end applications or third-party systems to in-car infotainment systems and telematics sensors using cloud, social and mobile applications.

Integrated EDI and API Solutions
Expand interoperability by using APIs to open an EDI platform, allowing access to B2B services via other applications, portals, and mobile apps.

Collaborative Engineering
Streamline ENGDAT file and data transfer (including CAD/CAM models, service descriptions, object lists and images) between designers and manufacturers.

eInvoicing
Implement electronic transmission of invoices and credit notes, reducing processing costs by eliminating the need to send summary invoices on paper or by fax.

Track and Trace
Track and trace serialized items throughout their lifecycle, to combat counterfeiting, reduce product recalls, and monitor supply chain efficiency, asset movement and status.

Full Axway A5 Suite
Capitalize on Axway's full complement of products to integrate, secure and optimize data flow inside your enterprise and throughout your supply chain.

A VEHICLE FOR BUSINESS GROWTH

Axway helps automobile manufacturers, OEMs and suppliers optimize supply chain efficiency by consolidating data exchanges on a single B2B integration platform, improving process visibility and transparency, and enabling collaboration within secure easy-to-manage online communities.

FLY THROUGH CUSTOMS

Axway makes it easier to automate secure data transfer among integrated international automotive vendors, OEMs, regulatory agencies, governments and customers — accelerating time to market.

THRIVE IN REAL-TIME WITH AXWAY CLOUD-BASED API INTEGRATION

The use of APIs, the cloud and mobile technology is transforming the way the automotive industry does business by allowing real-time exchange of data between designers, manufacturers, business partners, suppliers, dealerships, regulatory agencies and customers wherever they are. This complements the reliable use of proven MFT and EDI processes for a faster, more secure way to access and move critical information, comply with SLAs and position your company for the future.

The Connected Manufacturer: A Single Point of Truth.

With the edges of the enterprise network blurring, the connected manufacturer can depend on API technology to integrate the myriad disparate systems that make up the Internet of Things — including many legacy systems and applications — creating a single location or point-of-truth for all data entering and exiting the enterprise. Axway solutions give the connected manufacturer:

End-to-End Visibility
Key data — including KPIs — is accessible throughout a supply chain ecosystem consisting of manufacturers, vendors, haulers, logistics companies, financial institutions, design partners, dealerships and others around the globe.
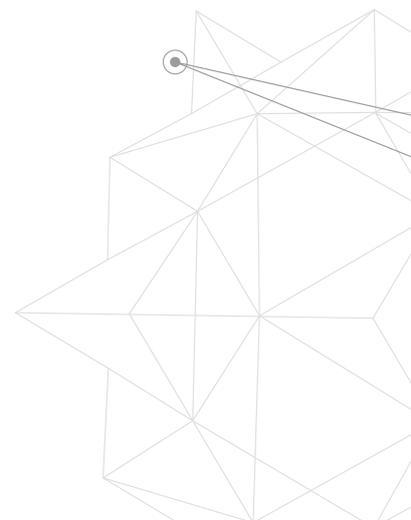
Greater Control Over Data
Staggering volumes of business-critical data can flow and be monitored across all entities in the supply chain, including people, business units, and on-premise and cloud-based applications.

Better Process Intelligence
Process and business-side analytics can be enabled since real-time access to data can inform manufacturers of inventory shortfalls, cost thresholds, and other conditions — prompting quick response.

Customer Self-Serve Capability
Customers, vendors, suppliers and business partners can get key information at will on the connected manufacturer's data stores using self-service portals securely accessed via mobile apps and devices.

Enabling robust communication between car and driver through centralized, API-driven security for BMW's ConnectedDrive platform

THE CONNECTED CAR: APIs MEET RPMs

The connected car is more than a convenience or even a luxury — it is fast becoming a standard checklist item for car buyers. As a result, manufacturers, service providers, and transportation, insurance, rental car and aftermarket electronics companies are racing to introduce infotainment and vehicle telematics systems in their product and services. And they're looking to Axway API solutions to help.

Driver-Centric Infotainment Systems

With Axway API integration solutions, manufacturers and service providers can deliver connected car infotainment systems, including:

Telephony — Hands-free calls using cellular or Wi-Fi networks

Messaging — Messaging via SMS, IM and other common messaging formats

Social — Connection between cars and social networks

Music — Streaming music services via satellite and the Internet

Navigation — Embedded platform improves navigational performance

Location — Tracking rental or fleet vehicles (or even our children's cars)

Weather — A safety feature and natural fit for an on-board resource

Vehicle-Centric Telematics Solutions

Axway API integration allows manufacturers and third parties to use this "big data" to improve customer safety and satisfaction, and deliver capabilities such as:

Vehicle Command
 A vehicle uses many sensors and switches that can be accessed through a central system. Many automobile platforms are using Axway APIs to provide the ability to send commands to most vehicle functions.

Vehicle Data
Every aspect of a modern vehicle is plugged in to a central system. Axway API integration allows data to be gathered, providing essential information for developers of in-car or Internet automobile applications.

AXWAY API SOLUTIONS AND AGERO

In the U.S., Axway helped Agero — the leading provider of roadside assistance and claims management services — build a complete, turnkey solution for connecting vehicles to the Internet of Things. This solution enables Agero's automotive and insurance clients to put connectivity and advanced technology services at the fingertips of their end consumers — the drivers. Through embedded technologies, timely alerts and automatic notifications, Agero can facilitate a real-time digital conversation between the vehicle, the driver and the insurers.

MAKING INFOTAINMENT AND TELEMATICS POSSIBLE

Axway API Gateway enables OEMs and service providers to deliver audio- and voice-enabled content and information to drivers, as well as video and deeper engagement for passengers.

Our API Server enables telematics solutions — including interactive safety systems and real-time collection and analysis of performance and tracking data.

COLLABORATIVE ENGINEERING, RE-ENGINEERED

Collaborative engineering has taken on a whole new meaning now that working teams and user groups can interact at light speed. Axway's automotive API portal allows easy on-boarding of suppliers of any size and integrates them into online trading communities. Designers, manufacturing engineers and other business partners can exchange data anywhere, anytime quickly and securely.

Manage Human-to-Human Interactions with High Security.

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. You can also eliminate unsecured FTP servers and replace costly VANs and VPN connections with support for interactive, user-driven communications via:
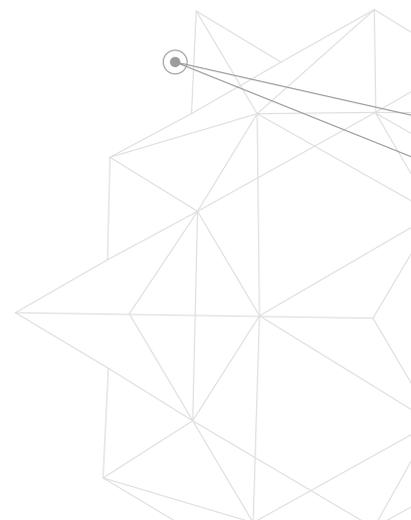
Secure Email
Prevent data loss, increase employee productivity and reduce IT management costs by enabling users to securely send files as large as 50GB (such as graphics-intensive marketing presentations or SQL backup files) using the email interfaces they already know, or a web-based interface. They simply click a button to attach and send a file, and automatically and transparently invoke 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 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.

PSA PEUGEOT CITROËN

Axway + PSA Peugot Citroën

Powering 2.5 million file transfers a month to keep global assembly lines moving

CLOUD-BASED COLLABORATION

Axway cloud-based integration solutions permit real-time exchange of data between teams located anywhere on the globe through an API portal to streamline design development, production processes and other efforts requiring quick response.

Reduce Operational Costs
Eliminate manual processes and reduce error and failure rates

Easy Partner On-boarding
Any size partner can be on-boarded quickly and easily as long as they have a PC, Internet access and a browser

Optimize Material Planning and Billing
End-to-end visibility into inventory movement makes it happen

A COMMITMENT TO THE AUTOMOTIVE INDUSTRY

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 (e.g., 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

OEM

BMW

Daimler Trucks

GM

PSA

Renault Nissan

Volkswagen

Tier 1

Bosch

Continental

Getrag

GKN

Leoni

Magneti Marelli

Mann + Hummel

Michelin

Plastic Omnium (formerly INERGY)

Raynet

SAF Holland

Takata

Valeo

ZF

DRIVE YOUR DIGITAL BUSINESS

Whether you're an automotive manufacturer, OEM or supplier, Axway end-to-end digital business solutions will optimize your digital supply chain efficiency by consolidating data exchanges on a single B2B integration platform. You can improve process visibility and transparency and easily engage in multi-enterprise collaboration within secure and easy-to-manage online trading communities.

To learn more about Axway digital business data integration solutions for the automotive industry, visit axway.com.

For more information, visit www.axway.com

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