

ACES & PIES — Smarter Data Management for Automotive Suppliers

How AutomotivePIM helps you integrate, validate, and publish OE and aftermarket data at scale.



Automotive suppliers face a critical challenge: keeping OE fitment data accurate, up-to-date, and ready for every catalog channel. AutomotivePIM is purpose-built to solve this — from ingesting OE data in ACES XML format to validating applications against AutoCare's VCDB and publishing catalog-ready outputs in PIES, Excel, or XML.

1. OE-RESEARCH & INTEGRATION

OE Data Ingestion

Supports ACES XML from leading vendors (e.g., Motor, JNP). OE and competitor parts are treated as standalone products for comprehensive gap analysis.

Auto Gap Analysis

One-to-one matching automatically assigns missing OE numbers. Gaps are highlighted to prioritize manual validation efforts.

New-to-Range / Also-Fit Discovery

Structured workflow identifies New-to-Range and Also-Fit opportunities by comparing supplier applications against OE data — reducing manual research time significantly.

Cross-Referencing

Competitor part numbers are maintained as independent entries, enabling detailed cross-reference analysis and validation.

Manual Review Tools

For complex or non-one-to-one matches, dedicated tools support manual validation workflows without disrupting automated pipelines.

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Summary: North American Market Fitment

AutomotivePIM ingests OE data from North American vendors, treats each OE and competitor part as a standalone product, and identifies gaps or opportunities for automatic assignment. For complex scenarios, manual review tools are available. Customer retains full control over data uploads after initial configuration.

2. OE DATA INTEGRATION & VALIDATION

Format Support	Imports OE data in ACES XML, TecDoc or other industry-standard formats. Handles 500,000+ records with automated hot-folder processing.
VCDB Validation	Validates against AutoCare or TecDoc Vehicle Configuration Databases. Configurable rules prevent invalid assignments (e.g., diesel fuel type on a gas-only vehicle). AutoCare data can be retrieved seamlessly via API (as JSON).
Automated Updates	The hot folder integration automatically processes monthly updates. This applies to both delta changes and full data refreshes. AutomotivePIM always supports the latest versions of VCDB, ACES, and PIES.
Supplier Control	Suppliers define the timing and frequency of OE data updates. Role-based permissions restrict visibility to authorized teams only.
Audit & Compliance	Full audit trails track every change for traceability and compliance with AutoCare and TecDoc standards.

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3. ATTRIBUTE & PIES OUTPUT MANAGEMENT

Attribute Mapping	Flexible mapping to TecDoc criteria and PADB IDs. Custom PADB names can be added where required, adapting to filters, pistons, and other product types.
Data Validation Rules	Built-in validation ensures attribute completeness before export, reducing downstream errors in customer catalogs.
Export Formats	Attributes exported to Excel, CSV, or PIES XML. Templates are reusable across recurring export cycles.
Product Context Mapping	Attributes are mapped per product context (e.g., filters vs. pistons), supporting accurate NA catalog requirements.

4. CATALOG OUTPUT & PUBLISHER TOOL

The AutomotivePIM Publisher Tool enables customer-specific catalog outputs with full flexibility over format, content, and lifecycle status:

- ➔ Output formats: XML, Excel, CSV — tailored to individual customer needs
- ➔ Filters by product type, lifecycle stage, or region (e.g., fuel-only products, obsolete part retention)
- ➔ Private label support: configurable per export profile
- ➔ Publication profiles can be saved for recurring exports — ensuring consistency and operational efficiency
- ➔ Supports delta exports and full catalog replacements on a configurable schedule

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5. DATA WORKFLOWS & SECURITY

Bulk Updates	Monthly bulk uploads of ACES/PIES data via hot folders or scripts. Supports full replace or delta changes with zero manual intervention required.
Hybrid Workflows	Continue using existing systems (e.g., Parcap) for day-to-day operations while syncing data with APIM for global visibility. Timing of syncs is supplier-controlled.
Role-Based Access	Granular permissions restrict NA data visibility and editing to authorized users — isolating regional data as required.
ERP Integration	Seamless integration with existing ERP or legacy catalog management systems ensures no disruption to current workflows.
Global Visibility	While regional data stays controlled, authorized global teams gain unified visibility across all markets from a single platform.

STANDARDS & COMPATIBILITY

Input Formats	Validation Standards	Output Formats
• ACES XML & Excel • PIES XML & Excel • TecDoc • Excel / CSV • ERP / PIM-Feeds	• AutoCare VCDB • TecDoc TAF • PADB / PAID • Custom supplier rules	• PIES XML & Excel • ACES XML & Excel • Excel / CSV • Customer-specific formats

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Speed to Market

Automated OE data processing and gap analysis reduce time spent on manual research — accelerating catalog updates.



Data Accuracy

VCDB-validated assignments and configurable rules prevent errors before they reach the catalog or customer.



Security & Control

Role-based permissions and full audit trails ensure sensitive OE data is accessible only to authorized personnel.



Flexibility

Adapts to supplier-specific workflows: monthly bulk updates, real-time sync, or hybrid legacy-system operations.



Scalability

Handles 500,000+ OE records and supports global, multi-regional suppliers from a single platform.



Ready-to-Publish

PIES, ACES XML, Excel, and CSV outputs — pre-validated and formatted for every customer requirement.

Bertsch Innovation GmbH provides AutomotivePIM, a powerful solution that unites Product Information Management (PIM) and Digital Asset Management (DAM) in one platform. Built for the unique needs of the automotive aftermarket, it is designed to deliver efficiency, ensure data quality, and uphold the standards of German engineering.