

Online Store with Search via Exploded Drawings and Automatically Set Hotspots

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ANTEROS Forum 2020



The Tietjen Company

- Family business
- 60 employees
- Market leader for air brake systems
- over 40 years of experience in the development of air brake systems
- 5000 different variants of retrofit kits available
- Sale of approx. 4000 air brake systems per year (after market)
- over 75,000 brake systems sold since founding







Product Areas and Core Competencies

Off-Highway OE



Air brake systems for off-highway OE customers, such as:

- Tractors
- Trailers
- Telescopic loaders
- Harvesters
- Construction machinery
- Industrial trucks

Trailer OE



Air brake systems for trailer OE customers, such as:

- Center axle trailers
- Drawbar trailers
- Semi-trailers

After Market / Kits



Air brake systems, kits and spare parts for:

- Agricultural machinery trade
- Construction machinery trade
- Car/vehicle workshops



Our Product Range

Air brake systems for towing vehicles



Air brake systems for trailers



Kits and spare parts





Retrofit trailer hitches





ANTEROS at Tietjen

- ANTEROS has been in use since 2008
- Data maintenance of product data and images

- Print automation of our product catalog
- Web: first online catalog, now online store



Online store



Central, efficient data maintenance



Print catalog 100% automated



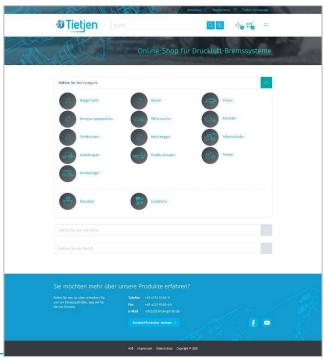
The ANTEROS Online Store at Tietjen

Motivation for the online store

- Shop 24 hours a day, 7 days a week and without a salesperson saves time and money.
- Our agricultural target group is also getting used to purchasing on the Internet
- Easier and more efficient search for our products becomes possible
- Additional information about our products can be better integrated
- Online stores can lead to more purchases and new customers

Online store key data

- Target group are business customers (B2B)
- Customers have full store functions and all data after login
- Less data and features without login



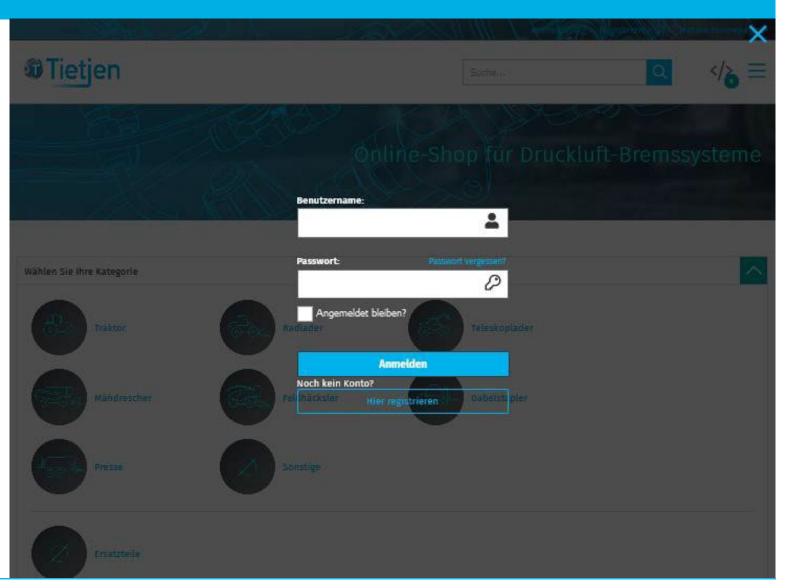
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ANTEROS Online Store at Tietjen

Online store login

- Only then can you see prices
- Only then can you order
- Only then can you see spare parts and their exploded views

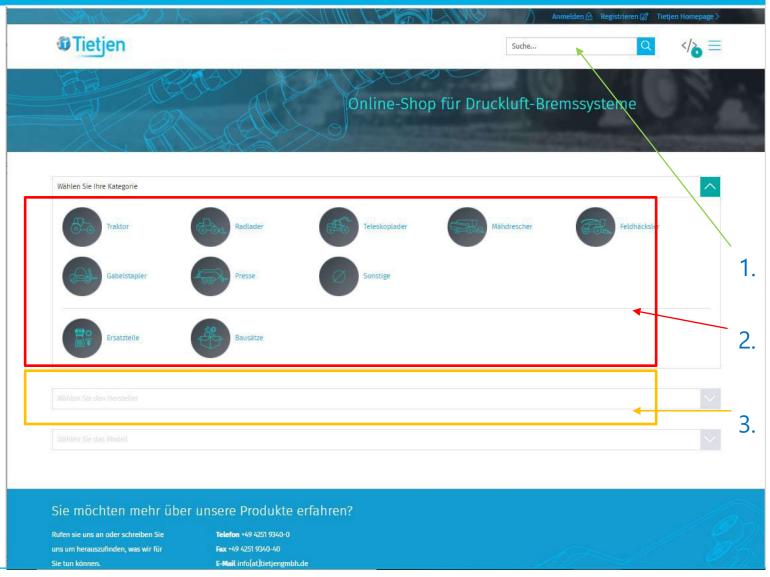




Search Function in the ANTEROS Online Store at Tietjen

Multiple search paths

- Via search field: Search by item number, serial number or keyword.
- For compressed air systems and spare parts via **vehicle**
- For single parts and kits via category

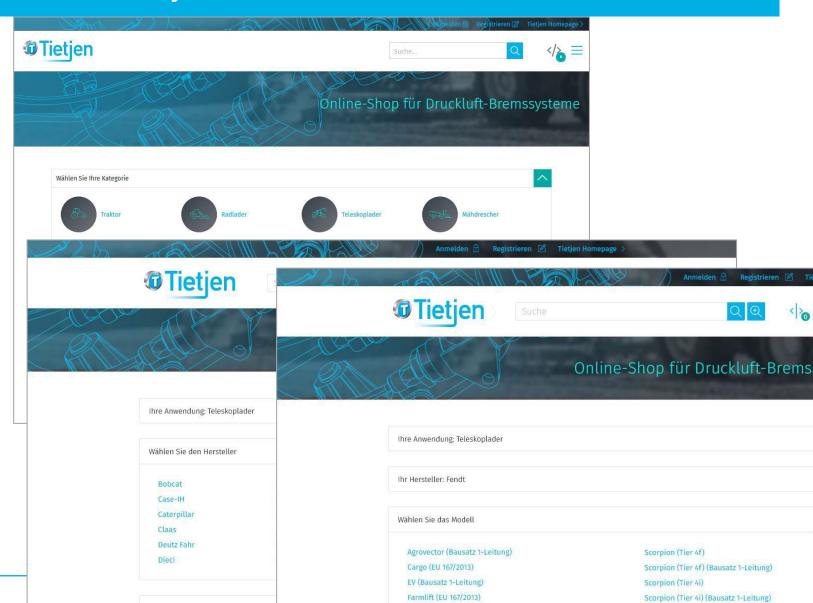




Search Function in the ANTEROS Online Store at Tietjen

Vehicle selection in multiple steps

- 1. Select vehicle type, e.g. wheel loader
- 2. Select manufacturer, e.g. Volvo
- 3. Select model series, e.g. LH

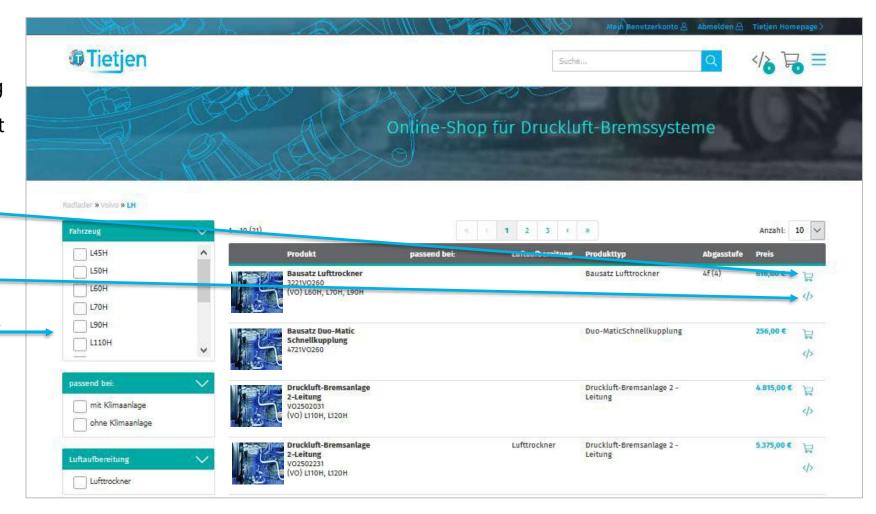




Product List in the ANTEROS Online Store at Tietjen

Product listing

- Product overview for searching by name, part no. and important parameters
- 2. One-click ordering via shopping cart
- 3. Comparison function
- 4. Parameter filter on the left for narrowing down the list via parameter values





Products in the ANTEROS Online Store at Tietjen

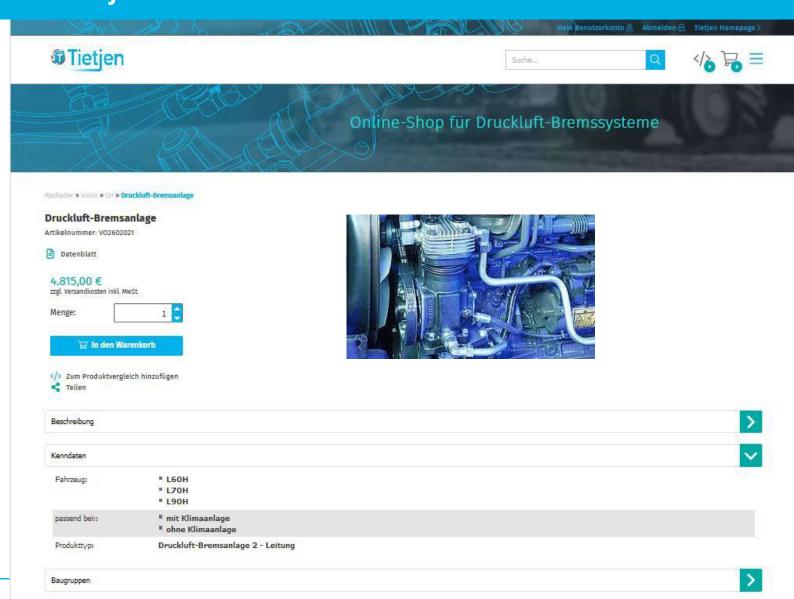
Product details

1. Overview data for all:

photos, name, item no. description, identification data

2. For logged in users:

Price and assemblies for spare parts



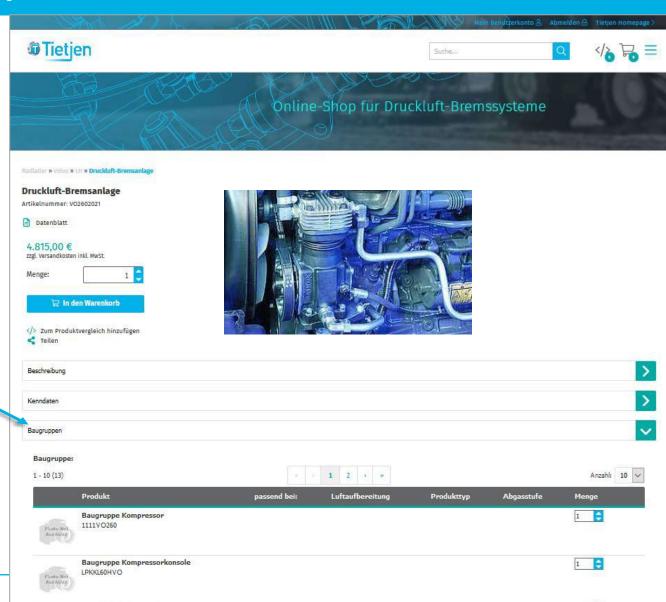


Spare Parts in the ANTEROS Online Store at Tietjen

Control spare parts via assemblies

List of assemblies directly on the product detail page.

By clicking on an assembly you get to the exploded view

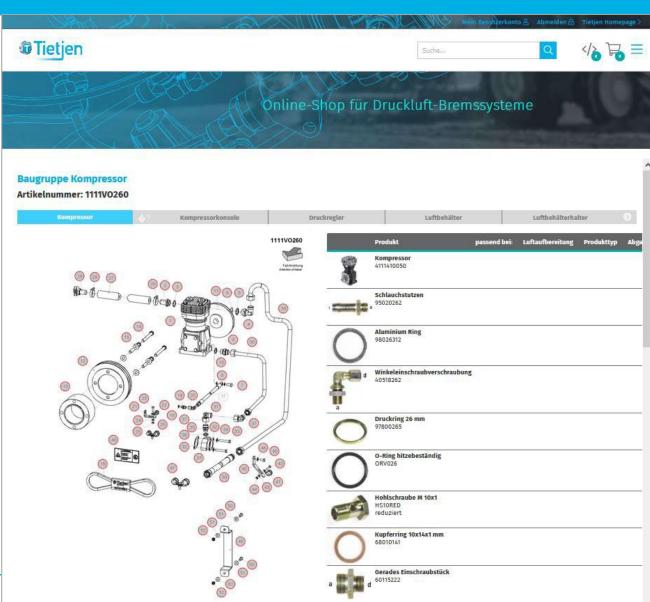




Spare Parts in the ANTEROS Online Store at Tietjen

Spare parts of an assembly

- > **Exploded view** of the assembly
- > List of spare parts next to it
- ➤ At the top you can switch directly to **other** assemblies of this compressed air system in tabs

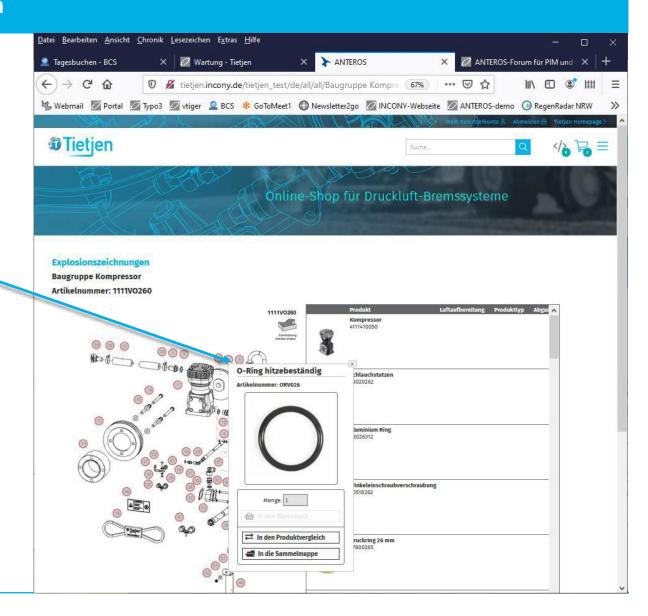




Spare Parts in the ANTEROS Online Store at Tietjen

Spare parts of an assembly

- Parts in the exploded view are marked as hotspots
- Mouse-over on a part number to get details of the spare part (hotspot) and add the part to the shopping cart or compare it here

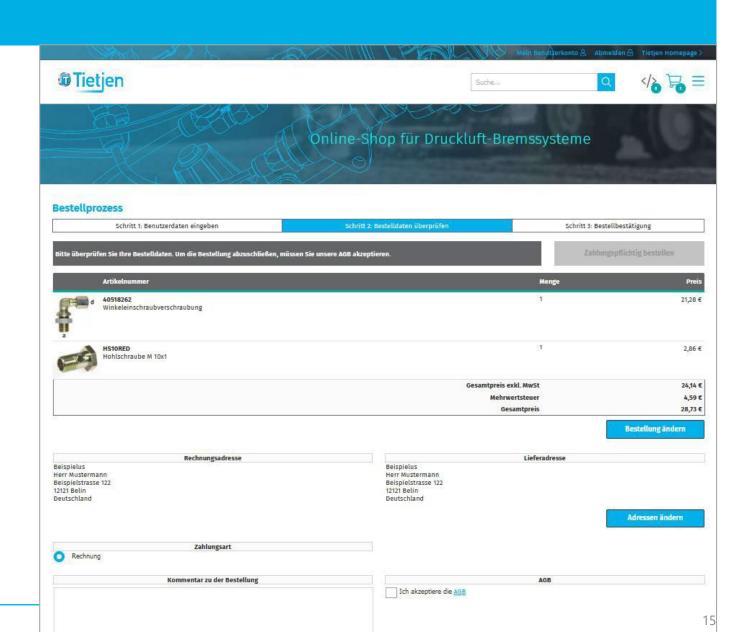




Order from the Shopping Cart

Order directly from the shopping cart

- Listing of all parts with price
- Display of invoice and delivery address from user data, can optionally be changed for this order or in user data maintenance
- Comment field
- "Order with obligation to pay" = Order placed with us

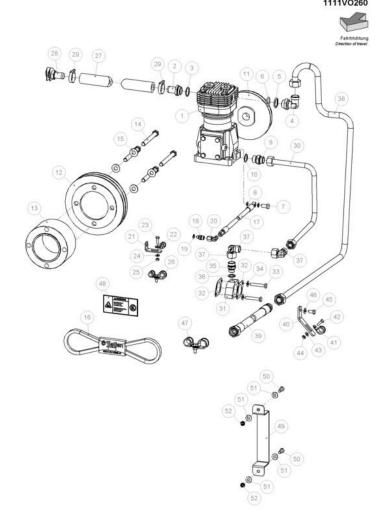




Hotspots for the Exploded Drawings

Automatically generate hotspots - Why is it important for Tietjen?

- We have approx. 4000 shop-relevant exploded drawings for the assemblies of our compressed air systems
- Drawings created in CAD system
- Approx. 30-100 parts per drawing
- Order by click in exploded drawing is very user-friendly, suits our customers, but manually setting the hotspots would be much too time-consuming: approx. 200,000 hotspots

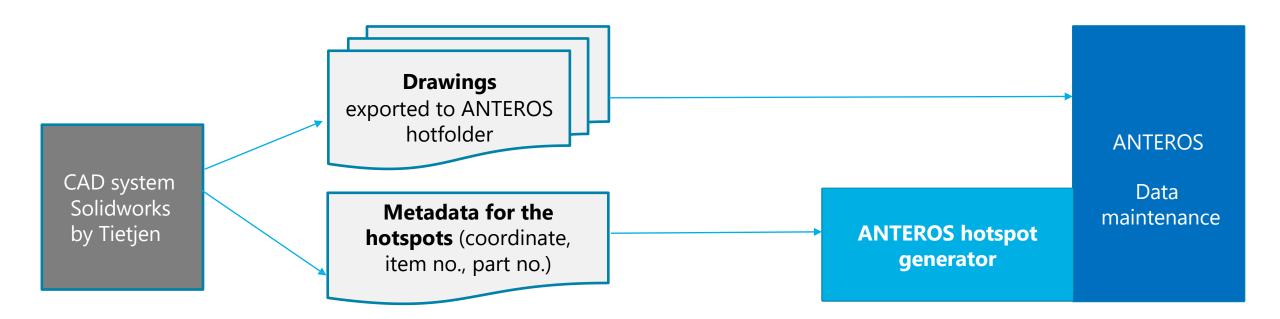




Hotspots for the Exploded Drawings

Hotspots automatically generated in ANTEROS

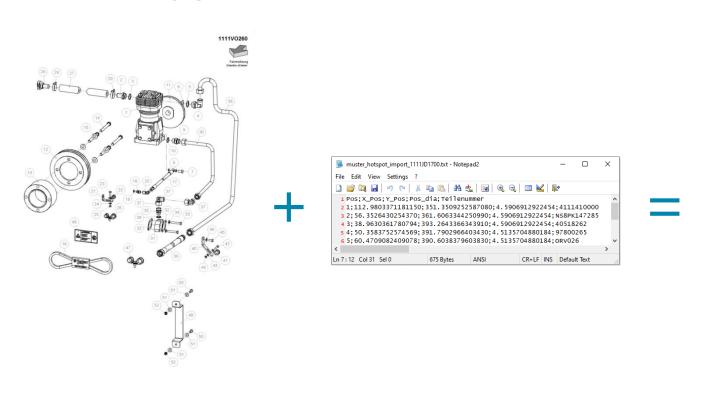
CAD file exports drawings and metadata, which are processed and imported into ANTEROS.





Hotspots for the Exploded Drawings

Automatically generate hotspots with ANTEROS



Baugruppe Kompressor
Artikelnummer: 1111V0260

***Compressor**

Introduction

Schlauchstutzen

**9002032

Aluminium Ring

**9002032

Aluminium Ring

**9002032

Druckring 26 mm

Ortickring 27 mm

*

Drawing of the assembly

Assembly metadata: list of parts with part no., item no., x/y coordinate,...

Click and order from the drawing in the ANTEROS online store



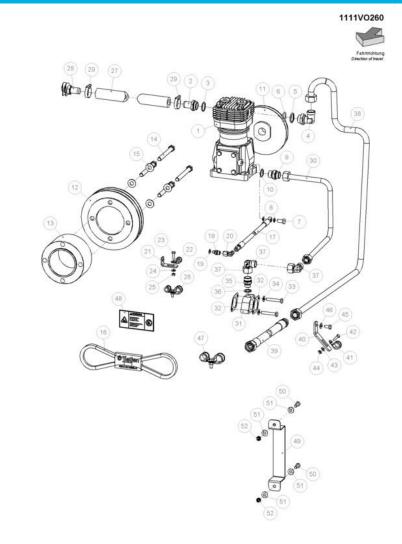
Integrate Spare Parts Data and Product Master Data

Automated transfer of spare parts data from ERP

- We have several thousand spare parts
- Spare parts data with part no., name and price are already available in our ERP
- In ERP we also group the spare parts into assemblies and assemblies to compressed air systems
- Also transfer master data to the products

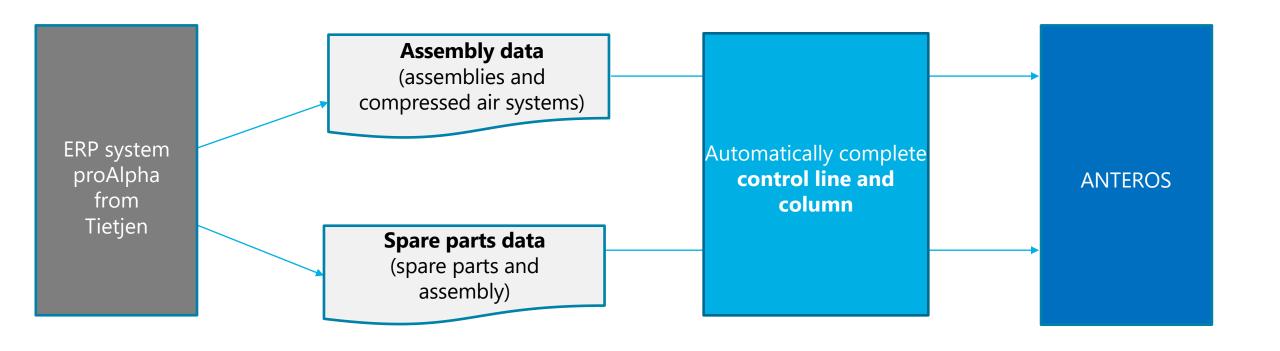


Export data from ERP and import into ANTEROS





Integrate Spare Parts Data and Product Master Data



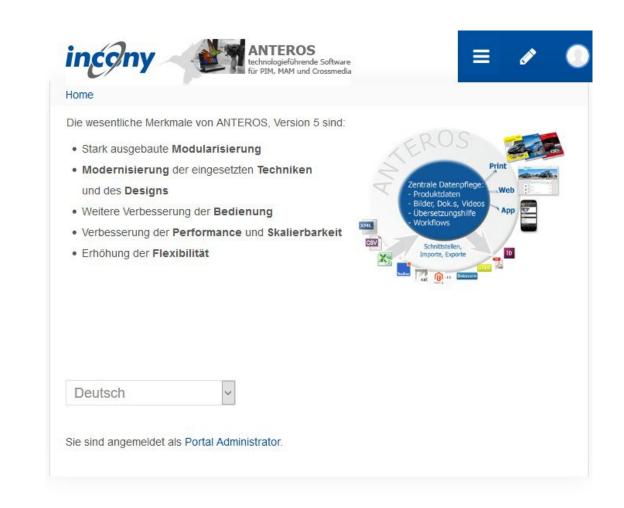


PIM Data Maintenance

Easy data maintenance in ANTEROS.pim

- All data for spare parts comes from the ERP
- For main products we maintain more information:
 Marketing texts, images, characteristics, relations
- For vehicle search paths we maintain the vehicles for single parts and kits the categories
- Before the online store, we had already used the data for our print catalogs, which we derive fully automatically from the data with ANTEROS.print:

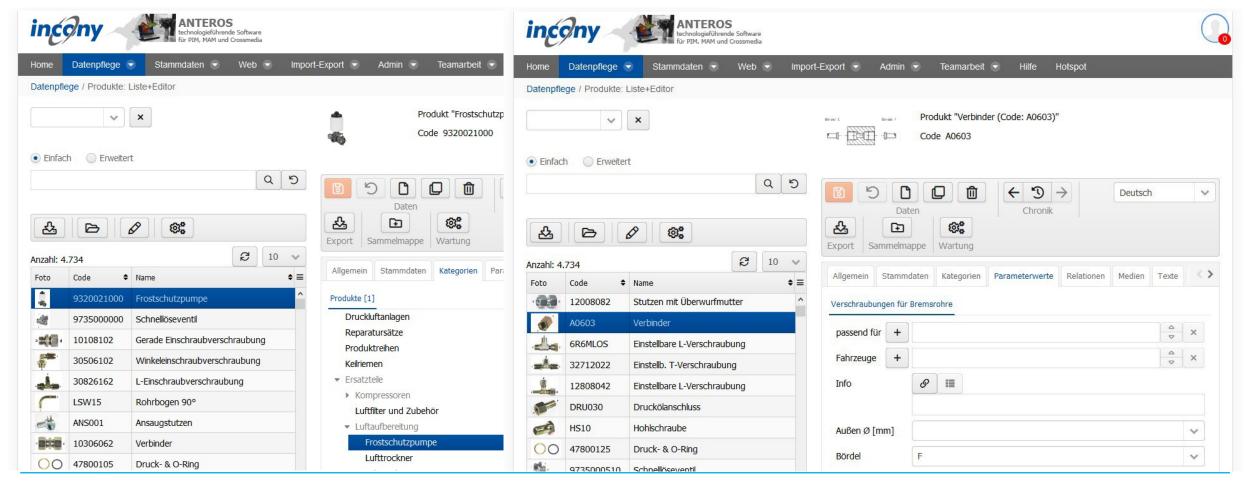
Maintain data once, use it multiple times; that was much more tedious before PIM





PIM Data Maintenance

Product data: add much data to imported master data: marketing texts, relations, images,...

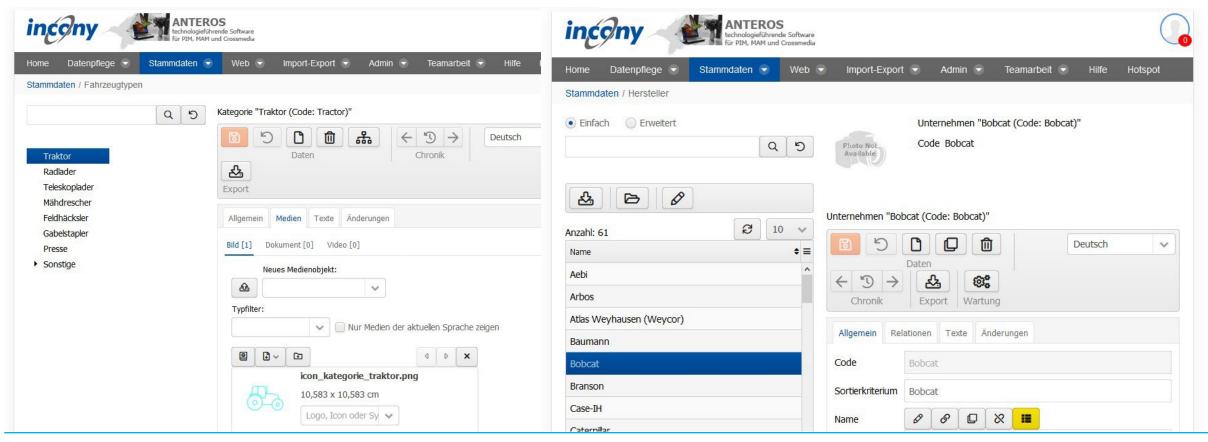




PIM Data Maintenance

Master data for vehicle type, manufacturer and model series

easy for us to maintain, so that customers can specifically find the parts by vehicle search





Summary

Online store with ANTEROS.web

- Very good guided search to our products and their spare parts
- Quick reduction of products via filters
- Spare parts can be ordered from exploded view via hotspots
- Hotspots are automatically generated from CAD data from ANTEROS
- Much product data adopted from ERP, further data maintained in PIM

Cooperation with INCONY:

- Still impressive after over 10 years
- Competent employees, excellent consultation, great service





Thank you for your time

