



CADENAS





 **PARTsolutions**

Master Data Management (MDM) for standard and catalog parts at SMS group

Case study



SMS GROUP OVERVIEW

-  150 years of experience
-  Service in mechanical and plant engineering for the metal industry
-  9 departments use PARTsolutions
-  Around 14,400 employees
-  Turnover of around 3.1 billion euros

Master Data Management (MDM) for standard and catalog parts at SMS group

SMS group, CADENAS and MEDAXperts work together to ensure consistently high data quality for SAP as the basis for all relevant business processes in engineering and purchasing.

CADENAS and the SMS group have already celebrated their 20-year partnership. A success story that both companies can be proud of. The cooperation began in 2004 with the introduction of the parts management system at SMS group in Germany, followed in 2008 by the central creation of new standard and catalog parts via SMS's own ticket system and, from 2011, the internationalization and connection of further SMS subsidiaries to the parts management system was carried out step by step. Since 2022, CADENAS with a dedicated MDM team and MEDAXperts with a new MDM ticket system have also been partners for master data management at SMS group.

SMS group stands for future-oriented technology and outstanding service in mechanical and plant engineering for the metal industry worldwide. SMS group plants are in operation in almost every country in the world.

One of many lighthouse projects is the world's first largely climate-neutral steel mill in northern Sweden - climate-neutral green steel produced with hydrogen from renewable energies. The green steel plant is being built with the expertise and technology of SMS group. Construction work began in 2022 and the plant is scheduled to go into operation in 2025.

20 years of successful parts management

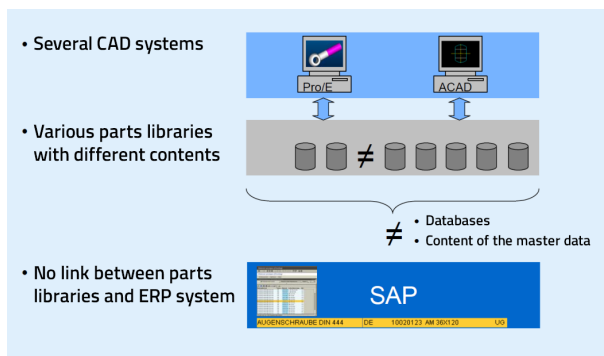
Numerous standard and catalog parts are required for the development and design as well as for the construction and commissioning of machines and plants.

Due to this fact, the SMS group introduced the PARTsolutions parts management system from CADENAS as a search and management system for all standard and catalog parts back in 2004.

The motivation 20 years ago was to replace the various parts libraries for the 2D and 3D CAD systems used and at the same time to link them to the ERP system so that each geometry of a standard and catalog part can be procured via a unique SAP material number.

Parts management and MDM go hand in hand

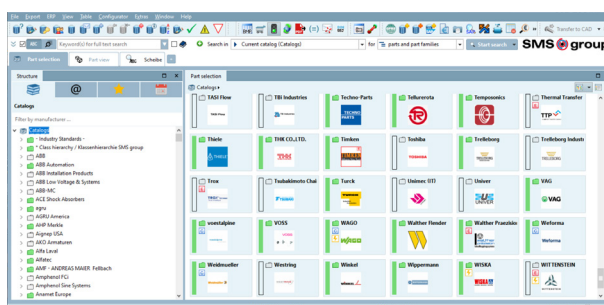
Parts management, the largest central master data area, is being strategically realigned under the umbrella of the new



Master Data Management organization (MDM). New capacities have been created with the MDM management by Alma Mujic.

Bernd Postaremczak, expert for parts management at SMS group, continues to optimize central parts management. New resources have been set up to ensure that all required standard, work standard and catalog part geometries as well as the creation and updating of SAP material master data and the maintenance of SAP product classification go hand in hand.

The introduction of the CADENAS parts management system at SMS group was the right decision. Bernd Postaremczak is also very satisfied: “Central parts management with CADENAS PARTsolutions pays off,” he explains. Further innovations are also planned for 2024, such as the switch to the ENTERPRISE 3Dfindit web interface.



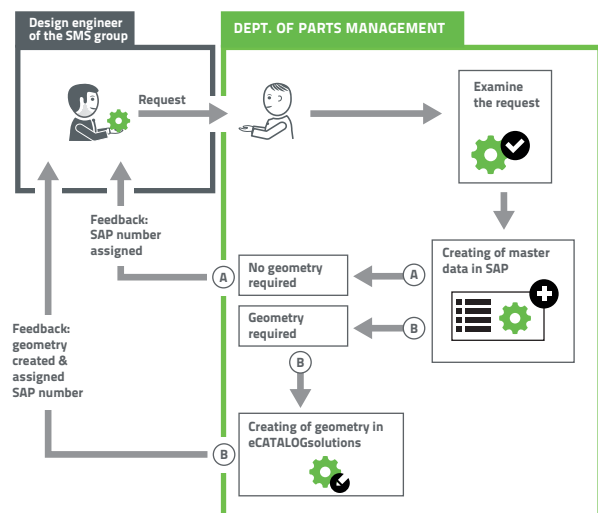
High data quality for SAP S/4HANA

As part of the changeover to SAP S/4HANA and due to the increasing importance of data quality for all business processes, the previous success story is being continued under the leadership of a new central Master Data Management department.

High data quality means that the SAP material master data of a standard or catalog part is validated, correct, complete, up-to-date, unique and consistent. To ensure and optimize this and to replace the previous SMS ticket system, the parts management system from CADENAS has now been combined with a ticket system from MEDAX-perts specially developed for master data management. As a Global Parts Request System, or GPRS for short, the ticket system is available to all SMS group employees worldwide for requesting a new standard or catalog part.

It doesn't work without rules. This is why standard and catalog parts are clearly defined at SMS group. The criteria to be observed when creating standard and catalog parts are defined for all SAP fields.

If an employee needs a new standard or catalog part, they can request it easily and with just a few mouse clicks using the GPRS ticket system. The central MDM team checks the ticket. If it is not a duplicate, SAP-compliant material master data is created via the GPRS ticket system and the CADENAS SAP interface after validation, and the geometries are generated in native CAD format via the CADENAS CAD interfaces.



The advantages and added value of the GPRS Ticket System summarized:

- Direct transfer of standard or catalog part data from the current standard or manufacturer catalog (if data is provided by the manufacturer)
- Minimization of entries when using a template ticket or template material
- For manual input, auto-completion e.g. of the standard designation for standard parts in German and English
- Only manufacturers, materials and surfaces approved by SMS group can be applied for
- For all SAP fields, their rules are documented and field definitions are integrated
- Extensive ticket status network with status-dependent e-mail dispatch
- Integrated duplicate check for standard and catalog parts
- Weight calculator for simple standard parts (via volume and density)

Dashboard and scorecard create transparency

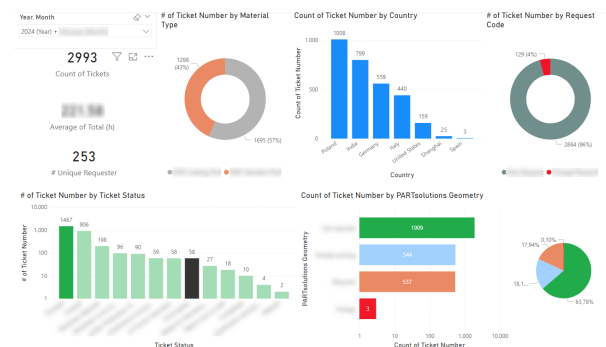
The monthly dashboard evaluation of the MDM ticket system creates transparency.

The regular evaluation of newly created or updated standard and catalog parts in SAP, including capacities, throughput times and key figures, forms the basis for further

optimization or enables SMS group's MDM management to intervene if necessary.

Alma Mujic, responsible for the central Master Data Management department, summarizes: "The cooperation with CADENAS and MEDAXperts is a complete success for SMS group. The consulting and the software are helping us to take our MDM for standard and catalog parts to the next level."

Markus Poppinghuys, responsible for CADENAS at SMS group, adds: "Geometries for standard and catalog parts are important for digitally mapping SMS group machines and plants. However, in order to procure, deliver and store standard and catalog parts globally in the real world today, the associated master data must also fit. CADENAS and the CADENAS partners take this into account, as the long-standing success story with the SMS group shows."



Further outlook

Thanks to SMS group's collaboration with CADENAS and MEDAXperts, the Master Data Management department ensures high data quality for standard and catalog parts in SAP S/4HANA.

The successful concept has paid off and serves as a role model: SMS group was awarded the "Best Practice in Parts & MDM Management" prize at the CADENAS Industry Forum 2024.

The company is currently working together on further improvements in the area of reactive and proactive obsolescence management for catalog parts created in SAP. Based on the product change and discontinuation notifications (PCN) and PDN (Product Discontinuation Notification) from the respective manufacturers, the catalog parts are kept up-to-date in SAP for engineering and purchasing. In addition, the switch to ENTERPRISE 3Dfindit from CADENAS and an upgrade of the GPRS ticket system from MEDAXperts are planned in the coming months in order to tap further potential.



Company descriptions



www.sms-group.com

SMS group GmbH

SMS group stands for future-oriented technology and outstanding service in mechanical and plant engineering for the metals industry worldwide. The company uses its 150 years of experience and digital know-how for continuous innovation beyond its core business - and generates a global turnover of around 3.1 billion euros. SMS is the right partner for demanding projects. The company supports its customers throughout the entire life cycle of their plants, thereby enabling profitable, resource-saving value chains. Paving the way for a carbon-neutral and sustainable metals industry is the company's declared goal. As a global player with German roots, SMS takes responsibility for its approximately 14,400 employees.



www.cadenas.de

CADENAS GmbH

CADENAS is a leading software manufacturer in the areas of strategic parts management and parts reduction (PARTsolutions, ENTERPRISE 3Dfindit) as well as electronic CAD product catalogs (eCATALOGsolutions). With its customized software solutions, CADENAS represents a link between component manufacturers and their products as well as their customers. The company serves over 10,000 customers in 40 countries worldwide.



www.medaxperts.de

MEDAXperts GmbH

MEDAXperts stands for meta data experts with over 50 man-years of experience in the field of standard, catalog and spare parts management, MEDAXperts GmbH guarantees the highest data quality through its MDM ticket system and offers MDM outsourcing for the system in ERP, PLM & PIM with low costs and fast turnaround times.