

TANGSHAN RAILWAY IMPLEMENTS PARTSOLUTIONS, THE STRATEGIC PARTS MANAGEMENT SYSTEM BY CADENAS

Tangshan Railway Vehicle Co., LTD. (Tangche) is responsible for the design and manufacture of the high velocity train CRH3. The holding company, Chinese North Railway Group (CNR) is one of the largest train manufacturers in China. Even before the Olympic Games 2008 in Peking, the first 350km/h fast train CRJ3 was underway with the help of Siemens TS.

With this project, Tangche was able to further improve its market position! In addition, Tangche strengthened its investments in research, development and information technologies, with the help of the 3-D CAD system ProE, SAP, and the parts management system PARTSolutions, which were implemented in design and construction processes. Thus, engineering processes were further improved at Tangche and the technical cooperation with foreign and domestic partners was optimized.

In order to guarantee effective consolidation for the large amount of parts, Tangche decided to implement the strategic parts management system from CADENAS, PARTSolutions. Now, all standard and supplier parts needed by Tangche are available. The deep integration into CAD / PDM /ERP ensures a strong optimization of processes and a reduction in time for the acquisition of data of CAD geometries in development and construction, which in turn significantly reduces costs. Through a well-arranged selection process and perfected search functions, it is easy to find the right part amongst the multitude.

Thanks to internet updates, the engineer is up-to-date 365 days a year, since product changes are made available directly by the supplier. In order to further optimize internal process flows, PARTSolutions can easily be integrated into the EDM / PDM and ERP environment. Thus, a comfortable master data balance, as well as a general reduction of part multiplicity in the company, is enabled.



ABOUT CNR-TANGCHE

CNR-Tangche was founded in 1881 and belongs to the CNR Group.

Tangche's field of activity involves the design and manufacture of:

- Railway passenger cars
- Electric engines
- Combustion engines
- All types of trains for public metropolitan and suburban commuter railway systems

Tangche manufactures more than 1,000 trains for public transportation each year!

"Through the implementation of PARTSolutions, all necessary standard and supplier parts are made available to us. Data from SAP systems can be directly embedded into PDM systems. That saves us time and money in construction, improves information technology, and optimizes the effective management of standard parts. PARTSolutions is the guarantee for successful and punctual execution of our important railway projects."

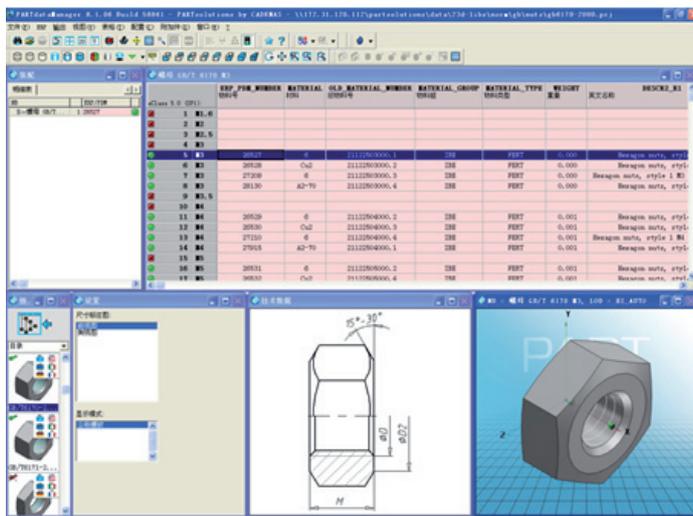
Guangming Wang
CNR-Tangche Project Manager

"Currently PARTSolutions is the only function-oriented, standardized and process-oriented parts management system worldwide."

Guangming Wang,
CNR-Tangche Project Manager

The implementation of PARTsolutions into the PLM process seamlessly connects the user-defined company information from the ERP system, such as for example, material, material numbers, type of material, material groups, and non-geometric data with the geometric data.

With help of the integrated interfaces in PARTsolutions for CAD / PDM systems, important business data (ERP area) are made available together with the CAD model, directly into the respective work environment for further design and mounting processes. The CAD data in PARTsolutions best fit the requirements of the engineers. Thanks to the multi CAD native format, all data from CAD, such as properties, threads, kinematics, color, etc., are maintained after export. The integrated rights, role, and filter system enables the standardization to gain access, control and manage the standard and parts worlds for different projects.



BENEFITS

PARTsolutions, offers engineers numerous high-quality standard and supplier part catalogs as CAD data. With the integrated search engine the desired parts are found easily resulting in a simplification of work in product development. Top quality company standards are created with the standardization tool eCATALOGsolutions. Through the display of geometric and non-geometric information and the embedding into the PDM system, isolated IT systems are now connected to an entire product life cycle.

In the future, Tangche wants to continue working closely with CADENAS in order to create company standards from the multi CAD platform export, functions of PARTsolutions and Tangche partners and suppliers that can be integrated into the PLM workflow.

ABOUT CADENAS

Since 1992, the name CADENAS (Spanish for 'process chains') has stood for innovation, success and creativity. As an independent software supplier, CADENAS develops customized company solutions for customers around the globe. CADENAS acts as a link between component manufacturers on the one hand, and the manufacturing industry on the other: component manufacturers are supported by CADENAS' software solution "eCATALOGsolutions" in creating, managing and marketing electronic product catalogs. The manufacturing industry then has access to these electronic product catalogs through "PARTsolutions", the strategic parts management system, which is connected to the business processes.



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