SBB CFF FFS

AMSYS

CASE STUDY 2013/2014

OBSOLESCENCE MANAGEMENT

FOR SBB CFF FFS

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Over $3,9 Mio. cost avoidance realised within 7 months

Introduction of a comprehensive obsolescence management according to IEC 62402

In summer 2013, the obsolescence management was first introduced at the Swiss Federal Railways in collaboration with AMSYS GmbH according to the obsolescence standard IEC 62402. All necessary processes, interfaces, trainings and complete documentations was carried out by AMSYS GmbH within just 7 months.

In July 2013, the Swiss Federal Railways authorised the obsolescence specialist Marc Brückner (AMSYS GmbH) with the development of a comprehensive obsolescence management approach to achieve a reactive , proactive and strategic obsolescence solution acc. to IEC 62402 for the rail industry.

The work began with reviewing existing documentation and prevailing process landscape of the Swiss Federal Railways. Consultations with various department managers, team leaders and system administrators took place to ensure that the technical and cultural requirements of the future processes were also considered as the optimal estimation of the necessary change processes. The completion of process documentation with over 100 pages in three procedures, work instructions and guidelines, was finished and fully documented until the end of August 2013.

In September 2013, in collaboration with AMSYS GmbH, the strategic purchasing department of SBB sent a letter to over 1800 suppliers. The SBB requested that all suppliers have to support obsolescence management according to IEC 62402 standard. This letter also included a standard PDN (Product Discontinuation Notice) form, developed by AMSYS GmbH. All required PDN and PCN (Product Change Notification) information should now arrive the Obsolescence Management department of SBB at a minimum of 180 days prior the END OF PRODUCTION or END OF SERVICE and REPAIR date of any product, part, component or sub-assembly.
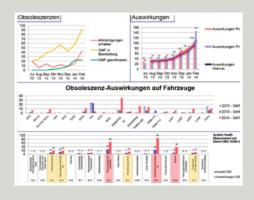
At the same time all three formulated procedures were approved for the Swiss Federal Railway (SBB passenger transportation) in consultation with the fleet technology management of SBB.

By the end of 2013, over 60 unknown obsolescence management cases had been registered and evaluated. In the first quarter of 2014 the obsolescence management department of SBB in collaboration with AMSYS GmbH registered additional 70 cases, which also had been completely recorded, analysed and reported.

Today, the AMSYS GmbH is still heavily involved in the collection, analysis and identification of obsolescence management cases as well as associated cost and saving reporting. Furthermore, the introduction of the strategic obsolescence management process at SBB is planned until the end of September 2014.

Simultaneously the AMSYS GmbH develops a database-driven software tool, which optimises the data collection, analysis and expulsion times for obsolescence management information. This software also optimises the potential cost savings (e.g. SBB, over $3,9 Mio. cost avoidance realised within 7 months) as well as the automatic obsolescence-data-exchange between suppliers, OEMs and operators in real time.

The above named software will be presented to a world wide audience as a part of the InnoTrans in Berlin, Germany in September 2014.

Obsolescence Management Cockpit

Reporting functions highlight occurring obsolescence information and analyse their impact on fleet-, vehicle- and system level. Thus, according to IEC 62402, resulting in a required system health measurement.