

Complex systems require comprehensive analysis.

They require Systecon 'Services for Rail'.

Railways offer a variety of complex challenges related to resource sizing and life cycle costs. As the complexity of a system increases, so does the difficulty in making the right strategic decisions.

How many trains need to be procured to meet a certain demand? How should maintenance resources be dimensioned over time? Which reliability improvement

initiatives are most effective? Systecon specialises in finding the answers to these types of questions. We help you develop well-founded decision support based on factual business and system information. We can show you how your trains, your depot, and your spare parts interact and how reliability and maintenance improvements impact cost and capability. Read on for more details about our offerings and how we can help you.

Our offering in five areas

Procurement

Complex and large contracts are common in the rail sector. With the help of our experience and our tools, we ensure that you as a buyer set the right requirements, or that you as a provider respond to them cost effectively. With our help you will get early visibility, penetrate problem areas and gain control over the process and costs – something that will be useful throughout the system life cycle.

Resource Dimensioning

How many systems can be put into service and what quantity of spare parts should be kept in stock? Are maintenance workshops properly staffed? Could I get the same result for less money? Resource Dimensioning is difficult to begin with, and with complex systems as in the rail industry it can seem daunting to gain control – at least without the proper partnerships and tools. Opus Suite by Systecon has been developed specifically to provide clear answers to these questions and many others.

RAM/LCC

There are many questions that arise within the area termed RAM – Reliability, Availability, Maintainability all too often the answers lack the analytical rigor to make it credible. But not when you're dealing with Systecon.

With our methods and tools, we can help you sort out the answers to optimise the reliability, balanced against the total life cycle cost.

System Performance

How reliable is the system? What is the optimal maintenance interval? And what if something should fail? We will help identify unwanted events by analysing the system data and proposing remedial actions and a balanced life cycle perspective.

Verification

Which performance indicators are relevant to monitor the required capability? How do we know that the solutions works over time? Verification within the rail industry requires both experience and data. Our ability to evaluate large amounts of operational and maintenance data with the support of statistical methods, enables us to provide trusted analytics services, no matter where in the life cycle you are.

Get in touch with us

Visit www.systecon.co.uk to find more information about our services.



SIMLOX

is an ideal tool for analysis and simulation of traffic scenarios, maintenance concepts and spare parts requirements. With SIMLOX it is possible to highlight the timing of investments to achieve set performance requirements.

OPUS10

is a world leading tool for optimising spare parts and logistics solutions. With the support of OPUS10 it is possible to optimise their activities against established cost and availability targets.

CATLOC

is a powerful tool for the estimation and analysis of Life Cycle Cost (LCC) and future income. With CATLOC it is also easy to identify cost drivers and compare different technical solutions.