



Success Story

for Thales Axle Counter System Az LM in Norway

In November 2011 Thales was awarded a contract by Jernbaneverket (JBV) to equip the Bane Øst project with the Multiple Section Axle Counter Az LM. The project is located close to Oslo on the line towards Drammen and comprises the main contract with several options.

The contract award followed the successful completion of the Flåmsbana and Sandnes-Stavanger Axle Counter projects by Thales.

The Norwegian rail infrastructure is currently undergoing a major renewal. JBV stated that the overall availability of the signaling system is one of the main objectives in this process. As they have identified track circuits (insulated joint type) as a major contributor to the non-availability of the signaling system, a decision was taken to replace the existing system on high priority lines.

Axle Counters have only been installed and are operational on one major line in Norway so far, which is Thales Az LM on the Sandnes-Stavanger line. Sandnes Stavanger is today the line with the highest availability on the Norwegian Network, thanks to Thales axle counters.

With the Bane Øst project, Thales will install Az LM axle counters on a second major line in Norway.

The scope of the contract incorporates

the detailed design, installation and commissioning of the axle counter system and connections to several different types of interlocking. Thales will utilise its new detection point with the slim line heads, Sk30K, and electronic unit EAK30K.

Why Thales Axle Counters?

The rail contact Sk30K can either be mounted over the sleeper or between the sleepers. Both options give a variety of benefits to the railway operator. The Sk30K does not need to be removed from the rail during rail grinding activities. If mounted over the sleeper, even tamping is possible without the need to remove the rail contact which saves time and cost.

The rail contact is mounted using 2 bolts through the web of the rail, a highly reliable and maintenance free method with no influence on the mechanical properties of the rail.

Together with our local Thales Unit we are working closely with our customer, allowing us to meet customer specific requirements and tailored solutions based on the generic, modular Az LM product.

As market leader with more than 100.000 axle counter systems in service worldwide in more than 40 countries, and thanks to the outstanding performance and service of the Az LM axle counters in Norway, we look forward to delivering state of the

art axle counters to Jernbaneverket after being awarded the Interlocking framework agreement which will be signed in September 2012.



Sk30K



EAK30K