



Nomad Digital

Stadler select Nomad as new-build communications provider for NSB's "FLIRT" trains

NOMAD Digital has signed a £1.5m contract with Swiss train manufacturer STADLER to equip 50 new FLIRT trains with its high speed broadband communications system for Norway's national passenger rail company NSB.

This is the first time that Nomad's technology has been an integral part of a new build and represents a landmark for the world's leading provider of train broadband solutions.

UK specialist Nomad already provides its solution to Norges Statsbaner with services on its existing trains including passenger internet access and onboard entertainment. A number of innovative applications will be included on the new fleet of Stadler 'FLIRT' electric trains. NSB will use the system to monitor energy usage, whilst Stadler will use the Nomad solution to monitor on-train systems to support on-going maintenance.

New FLIRT Design



Nomad's system provides a seamless broadband connection of up to 5MB per second allowing a moving train to switch between a number of different Norwegian mobile operators. This combination is ideal for Norway with its fluctuating mobile network coverage and extensive tunnelled tracks.

NSB passengers are able to access a portal page for real time journey and key destination information. The portal also offers a sophisticated passenger information system, access to the internet, as well as entertainment such as films, games and music.

The 50 trains represent the largest purchase of new trains – to meet growing passenger numbers - ever made by NSB. Half the new trains will be used in the Oslo area for journey times of up to 90 minutes and the rest will be deployed in Southern Norway for journeys of up to three hours.

Nomad's Nigel Wallbridge said: "This deal with Stadler and NSB represents another breakthrough for Nomad Digital. We are delighted to be an integral part of a new build train. Also, incorporating the installation of our system into the manufacture of a train minimises any possible inconvenience to the operator and can be done within a train's original warranty. NSB is a train operator that has a clear policy of using IP data connections to the train for many purposes. Not only do we offer a range of sophisticated passenger service options but NSB also makes savings on energy usage, maintenance turnaround times and downtime."

Kjell-Arthur Abrahamsen, Project Manager at NSB said "NSB have evaluated a wide range of suppliers in the market before we concluded that the Nomad was the best overall. In particular, we emphasize Nomads expertise to deliver forward-looking solutions based on standardized components."

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Media: for further information, contact Peter Jackson on +44 (0)5602 468124 or +44 (0)7956 971501.

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Notes to editors

About Nomad Digital

UK based Nomad Digital is a rapidly-growing privately owned company which was formed in early 2002 by Graeme Lowdon and Nigel Wallbridge. Nomad Digital is focused on the provision of broadband communications solutions to the transportation sector. The company is now the largest provider of on-board IP connectivity to the rail industry. Nomad's networks and solutions are deployed in Europe, North America, the Middle East and Asia. (www.nomadrail.com)

About NSB

NSB AS, Norwegian State Railways, is one of Norway's foremost transport companies, with roots going back as far as the launch of Norway's first railway service in 1854. The Group's main activities are passenger transport by train and bus and rail freight operations. The NSB Group consists of a number of wholly-owned and partly-owned subsidiaries. (www.nsb.no)

About Stadler

The manufacturing Swiss Rail Group, Stadler, has eight sites in Bussnang, Altenrhein, Winterthur (Switzerland), Berlin (Germany), Siedlce (Poland), Pusztaszabolcs, Szolnok (Hungary) and Algiers (Algeria). Their focus is on the regional and suburban service market segments, the light regional express railway service and streetcars. Stadler Rail has positioned itself as a supplier complementing the global rail vehicle builders such as Alstom, Bombardier, and Siemens. (www.stadlerrail.com)