

## Media release

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## Stadler and FNM present FLIRT mock-up for Lombardy

**Together with FNM, Stadler is today presenting the mock-up of the new diesel-electric FLIRT for Lombardy. In November 2018, the two companies signed a framework agreement for up to 50 multiple units. At the same time, an initial order was placed for 30 vehicles. Ten months after signing the contract, Stadler and FNM today unveiled the mock-up at EXPO Ferroviaria 2019 in Milan. Visitors to the fair will be able to take a first look at the demonstration model.**

Together with the Italian transport company TNM, Stadler today presented the mock-up of the new diesel-electric FLIRT at the international railway industry fair EXPO Ferroviaria 2019 in Milan. The mock-up is a walk-in demonstration model in original size. This will give visitors to the fair the opportunity to examine the life-size train model for the first time. Stadler and FNM signed the framework agreement for 50 multiple units last November. At the same time, an initial call-off order was triggered by FERROVIENORD for 30 FLIRT, which are intended for regional rail operations in Lombardy. According to the contract, delivery of the first vehicles is scheduled for the end of 2021. This supply is based on what is laid down by the procurement programme of new trains, approved and financed with 1.6 billion euros from Regione Lombardia.

### Focus on sustainability

The new trains were developed with a special focus on environmental sustainability. The train is powered by a power pack containing four latest-generation, low-emission diesel engines (stage V with SCR catalytic converter) and two sets of batteries. Thanks to the batteries and diesel-electric traction, the new train can enter stations in suburban areas with reduced emissions. In addition to emissions, noise can also be reduced in the stations.

Fuel consumption is expected to be 30 percent lower than with the current fleet, which corresponds to an estimated saving of 3 million euros per year. CO<sub>2</sub> emissions will also be cut by 12 400 tonnes per year. This represents the equivalent of 8600 cars on the roads. Furthermore, the position of the engines in the middle of the train ensures high passenger comfort, as noise and vibrations are not transmitted to the cars.

### More details about the trains

The three-car trains are 66.8 metres long and offer space for 328 passengers, with seats for 168 of them. The maximum speed is 140 kilometres per hour. In addition to a toilet, LED lighting and Wi-Fi, the vehicles are equipped with 220-volt power outlets, USB connections and a passenger information system. A warning light

system informs passengers when doors are opening and closing. Accessibility for people with reduced mobility is facilitated by sliding steps that compensate for the distance between the doors and the platform. There are also places for bicycles and luggage in the trains.

Maurizio Oberti, Director Sales & Marketing for Region Italy at Stadler, emphasised, «We are proud to be able to support FNM in the continuous development and modernisation of its fleet with innovative vehicles. The presentation of the mock-up underlines our productive, pleasant working relationship with FNM. We are delighted that future passengers can now discover the train for the first time as a demonstration model.»

«We are continuing the action to renew the fleet of trains – said the chairman of FNM Andrea Gibelli - made possible by the financing and indications of Regione Lombardia. The aim remains that of ensuring the best service for the more than 800,000 people who use the regional railway service every day.»

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## **About FNM**

*FNM is the first integrated Group for transport and mobility in Lombardy. It is the most important Italian private investor in the sector. FNM S.p.A. is a joint stock company quoted since 1926. Lombardy Region is the majority shareholder with 57,57% of the shares.*

*FERROVIENORD, 100% controlled by FNM, operates in Lombardy 331 km of rail lines and 124 stations located on five lines of the provinces of Milan, Brescia, Como, Monza-Brianza and Novara. In addition to train operation, FERROVIENORD performs ordinary and extraordinary maintenance of the rail network, as well as adjustment and implementation of new facilities and upgrading activities.*

## **About Stadler**

*International rail vehicle construction company, Stadler, is headquartered in Bussnang in Eastern Switzerland. Founded in 1942, it has a workforce of around 10,500 based in various production and over 40 service locations. Stadler provides a comprehensive range of products in the heavy and urban transport segments: High-speed trains, intercity trains, regional and commuter heavy rail trains, underground trains, tram trains and trams. Stadler also manufactures main-line locomotives, shunting locomotives and passenger carriages, including the most powerful diesel-electric locomotive in Europe. It is the world's leading manufacturer in the rack-and-pinion rail vehicle industry.*

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