

## **NTN-SNR Electric Vehicles in the Streets of Annecy NTN-SNR Previews the Q'mo and Commuter 3 at the Annecy International Animation Film Festival**

NTN-SNR is presenting its innovative electric propulsion technologies in the form of two prototype vehicles, the Q'mo and Commuter 3, at the opening of the International Film Animation Festival in Annecy on 4 June. Commuter 3, dressed in the festival's colours, will be tested in urban use by the festival organisers and their president, Dominique Puthod, throughout the event. By this presence, NTN-SNR is asserting its position at the forefront of innovative technologies for electric vehicles.

### **Annecy 2012 Will Use NTN-SNR Electric Vehicles from 4th to 9th June**

### **An NTN-SNR Electric Vehicle in the Colours of the Annecy International Animation Film Festival**

In partnership with the Urban Community of Annecy, NTN-SNR will present the Commuter 3, a small urban vehicle, dressed in the colours of the International Animation Film Festival, at an official handing-over-of-the-keys ceremony to the President of the Urban Community of Annecy, Jean-Luc Rigaut. The event will precede the opening ceremony of the Festival and will take place on 4 June 2012 at 5:45 p.m. at the Bonlieu centre. This vehicle will be tested in urban use by the festival organisers' team (CITIA) and its President, Dominique Puthod, throughout the event from 4th to 9th June, thereby demonstrating this "clean" technology in Annecy's streets, to both local people and festival-goers from around the world.

### **Values Shared By NTN-SNR and the Festival**

"We are fortunate that Annecy, where NTN-SNR is based, is hosting this great international festival, which, among other things, promotes innovation, new technologies and the desire for change. Being part of this event and thus sharing these values and demonstrating our electric vehicles in operation seemed to us the obvious thing to do and we were welcomed with open arms by CITIA and the Urban Community of Annecy," declared Hervé Brelaud, Director of R&D at NTN-SNR.

This handover of keys will be preceded by a demonstration, in the afternoon in front of the Bonlieu centre, of another prototype vehicle, the Q'mo, which is extremely compact and driven with a joystick.

## **NTN-SNR at the Forefront of Innovative Technologies for Electric Vehicles**

### **Technological Innovations to Save Weight and Achieve Greater Range**

Q'mo and Commuter 3 use different technological innovations developed by NTN-SNR: electric wheel motors and a fully electric system, for steering the Q'mo "by wire".

These innovations have been made possible by NTN-SNR's advances in mechatronics, in particular thanks to the increasing precision of sensors linked to controls.

The wheel motors and electric steering systems allow new vehicle architectures to be developed, giving more freedom to create an ergonomic and safe design. In addition, associated weight savings contribute to lower electricity consumption and increased autonomy, a crucial issue in the development of electric vehicles.

### **NTN-SNR Also Present at the European Mechatronics Meeting**

All these technologies, which will also be presented at the European Mechatronics Meeting organised at Le Grand Bornand by Thésame and Artema on 6th and 7th June, once again demonstrate NTN-SNR's desire to become a major player in automotive sector innovation, particularly in innovative mechatronic technologies.

## **Green Markets Central to NTN-SNR's Development Strategy**

This strong presence in the electric vehicle market confirms the priority given by NTN-SNR to green markets and sustainable development, which is reflected in particular by the growth and investments made in the wind energy market and railways, and in the involvement of R&D in all these areas.

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*NTN-SNR ROULEMENTS was formed by the merger of NTN and SNR in April 2008. It is now part of the third-largest bearings group worldwide, NTN Corporation, specialising in automotive, industrial and aerospace bearings. It also develops services and maintenance solutions within the Experts & Tools Department. NTN-SNR employs 5,128 people and operates 11 production sites in Europe and Brazil, with 23 sales offices around the world.*

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