



BOSCH AND BENTELER JOIN FORCES WITH PININFARINA SPA TO OFFER CAR MANUFACTURERS NEW E-MOBILITY SOLUTIONS

- The three major players combine expertise in system and vehicle integration, offering full e-vehicle development
- Dedicated archetypes for battery electric vehicles will be developed based on the rolling chassis from Bosch and BENTELER
- Customers will benefit from scalable tailor-made e-mobility solutions



Turin, March 3rd 2020 – Bosch, BENTELER and Pininfarina SpA have started a strategic collaboration to provide car manufacturers with **new modular electric vehicle platforms**. Combining their vehicle integration expertise allows them to jointly face market with **a complete package**. Final goal is a new modular, scalable and tailor-made e-mobility plan developed together with future clients, who can also count on unparalleled benefit: a **unique style** signed by legendary design house Pininfarina.

Thanks to this strategic collaboration, Bosch, BENTELER and Pininfarina SpA are now able to offer car manufacturers fast prototyping as well as complete vehicle and product development services up to start of production. This prototyping is based on a proven rolling chassis solution from Bosch and BENTELER. It provides a predefined design, is fully functional and immediately applicable for the development of electric vehicles. This saves the customer time and money, making them speed up their time-to-market even more.

By onboarding Pininfarina SpA, a world known Italian car designer and engineering provider, Bosch and BENTELER are complementing their existing collaboration for the Rolling Chassis. This comprises fields of style and top-hat engineering for an optimized link to the car body. This way they provide car manufacturers with an even broader scope of the Rolling Chassis.

Driven by electric drivetrain megatrends, car manufacturers are increasingly seeking pre-validated system solutions that offer an easy and reliable way to build new electric vehicle from scratch. This is even truer in the world of start-ups, especially those with semi-premium and premium positioning, desiring a platform. Bosch, BENTELER and Pininfarina SpA,

together support in developing dedicated electrically-born packaging, paralleling current platforms.

Bosch and BENTELER announced their collaboration in a development cooperation for an electrical rolling chassis in April 2019. This platform ranges from pre-integrated modules to complete rolling chassis solutions. The platform follows a modular approach and is scalable for different car segments. The development cooperation of Bosch and BENTELER brings together the expertise of both companies for system integration of electric modules and rolling chassis solutions.

BENTELER understands the requirements that rolling chassis places on products and systems in the automotive industry and is responsible for mechanical integration. This includes integrated crash management, flexible and scalable battery pack as well as integrated thermal management.

Bosch brings in electrical and electronic components and subsystems (e.g. vehicle controller, electric drives, steering and braking systems). This includes software and systems integration and services for safety and security.

Pininfarina SpA, with its 90 years of expertise in the automotive industry, will provide top hat unique style and engineering, successfully integrating the upper body structure with the chassis. Thanks to its expertise as vehicle integrator, Pininfarina SpA owns the knowhow for successfully integrating the single components into the car, in accordance with installation and functionality requirements, and to deliver the right Advanced Driver Auxiliary System integration achieving state-of-the-art performances during driving and parking. ▲

About Pininfarina SpA

Leading player in the luxury industry, merging physical and digital worlds through aesthetics and technology, Pininfarina is a flexible partner able to offer competitive products and services based on the values of the brand: purity, elegance and innovation. Its activities focus on design, engineering, conception and production of unique cars or in limited series. Pininfarina has influenced the evolution of shape and anticipated future trends developing one-off models, small production

runs, mass-produced models, styling models, research prototypes, each with a specific creative, technical and industrial significance. Icon of Italian design in world, the Turin-based Company is deeply involved in designing customer journeys and unique user experiences, paying special attention to sustainable mobility and state of art technology. Such features have allowed the group to build long lasting relationships with global carmaker leaders in luxury segment

About BENTELER

BENTELER is a global, family-owned company serving customers in automotive technology, the energy sector and mechanical engineering. As innovative partner, we design, produce and distribute safety-relevant products, systems and services. In the 2018 financial year, Group revenues were €8.072 billion. Under the management of the strategic holding BENTELER International AG,

headquartered in Salzburg, Austria, the Group is organized into the Divisions BENTELER Automotive and BENTELER Steel/Tube. Our around 30,000 employees at 96 locations in 28 countries offer first-class manufacturing and distribution competence – all dedicated to delivering a first-class service wherever our customers need us. BENTELER. The family of driven professionals. Since 1876.

About Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 403,000 associates worldwide (as of December 31, 2019). According to preliminary figures, the company generated sales of 77.9 billion euros in 2019. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology.

As a leading IoT company, Bosch offers innovative solutions for smart homes, smart cities, connected mobility, and connected manufacturing. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to deliver innovations for a connected life. Bosch improves ▶



quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is “Invented for life.” The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in 60 countries. Including sales and service partners, Bosch’s

global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company’s future growth is its innovative strength. At 125 locations across the globe, Bosch employs some 72,000 associates in research and development.

About Bosch Engineering GmbH

Bosch Engineering GmbH is a wholly owned subsidiary of Robert Bosch GmbH and is headquartered in Abstatt, Germany. As a systems development partner to the automotive industry since 1999, the company with its more than 3,000 associates offers development services for powertrains, safety and convenience systems, and electrical and electronic systems – from the

original concept to series production. Specialised in electronics and software, it draws on Bosch’s proven large-scale series production technology to develop tailored solutions for a wide variety of applications in passenger cars, commercial vehicles, off-highway and recreational vehicles, and in rail applications, ships, and industry. Bosch Engineering GmbH also coordinates all the Bosch Group’s motorsports activities.

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