

# JESA BEARING SOLUTIONS ELECTRIC MOBILITY

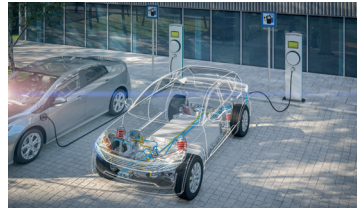


## THE TRANSITION IS UNDERWAY

The transition to electric mobility is underway, for a healthier and more sustainable way of life. Numerous innovations are making their energy contribution, considerably reducing the environmental impact of different means of transport. At the heart of this revolution are numerous components such as bearings. For more than half a century, JESA SA has been designing and producing unique bearing solutions that stand out for their efficiency, superior quality and remarkable durability.

### MAXIMUM EFFICIENCY

JESA bearings are renowned for their excellent performance. At the design stage, the choice of materials, geometries, lubricant and sealing are essential steps in ensuring that the bearing is fully efficient. This contributes directly to increasing the efficiency and therefore the range of the electric vehicle.



### THE WINNING EQUATION: QUALITY AND DURABILITY

In a world where sustainability has become a priority, the quality of JESA bearings ensures exceptional reliability, which translates into extended service life. This significantly reduces maintenance costs and environmental impact, while offering peace of mind to users.

#### SPECIFIC FEATURES :

- Very high speed
- Very good sealing
- Low friction
- Optimized service life
- High load capacities
- Customized design

#### TYPE OF PRODUCTS :

- Standard single or double row deep groove ball bearings
- Angular contact ball bearings
- Bespoke bearings
- Thrust ball bearings
- Hybrid bearings
- Thin section bearings
- Tapered roller bearings
- Overmolded bearings
- Complex units



### Application example: High-speed bearing for electric propulsion system

- ABEC 5 hybrid bearing
- Si3N4 ceramic balls
- Cronidur30/1.4108 rings
- High speed 40'000 rpm
- PA4.6 CF30 cage with carbon fibres
- Temperature from -50°C to 165°C

