

# JTEKT : MOBILITY SOLUTIONS OFFER

## OUR PROTOTYPE WORKSHOP AT YOUR SERVICE

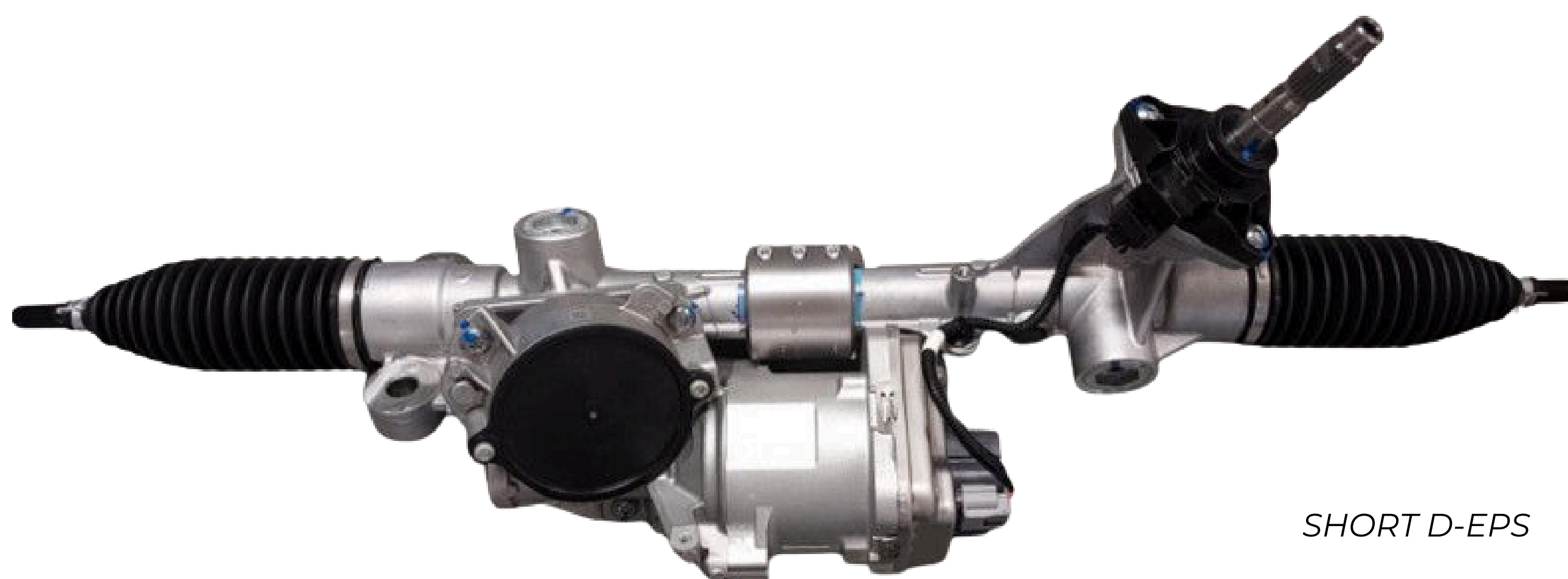
Our Mobility Solutions team is supported by our **technical centre and our prototype department**. Their expertise is essential for some applications, such as for Motorsport. Our prototype workshop is composed of all the necessary tools to adapt standard steering systems to your needs, based on the instructions of our Mechanical Design department.

It means that we can adapt rack bars to the appropriate vehicle lengths and specifications, but also we can develop for your specific application the **"state of the art" tuning** inside our **Electric Power Steering systems**.

### All this work is done taking care of:

- **Safety level** management
- The **operating stability** of the steering system
- **Road feeling tuning** at low and top speed of the vehicle
- **Cybersecurity level** needed for your application
- **Software development and calibration generation** to deliver you "plug and play" systems

You can find below an example of a steering system that we have adapted for **Motorsport** :



SHORT D-EPS

## TUNING UNDER REAL CONDITIONS

This steering has been designed from our Compact EPS and changed into Short D-EPS. The tuning setups are carried out under real driving conditions thanks to our test tracks composed of **3 testing platforms**: dynamic area with 0% slope, noise and vibration tracks and low friction area. This **59 000 m<sup>2</sup>** ground is designed to support our customers to determine the **best driving feeling**.

By combining our passion and our expertise, we are able to propose a huge range of possibilities for tuning Electric Power Steering systems.

***Our target stays always the same: to reproduce the exact road feeling of our customer's wish, on the safest steering system.***

