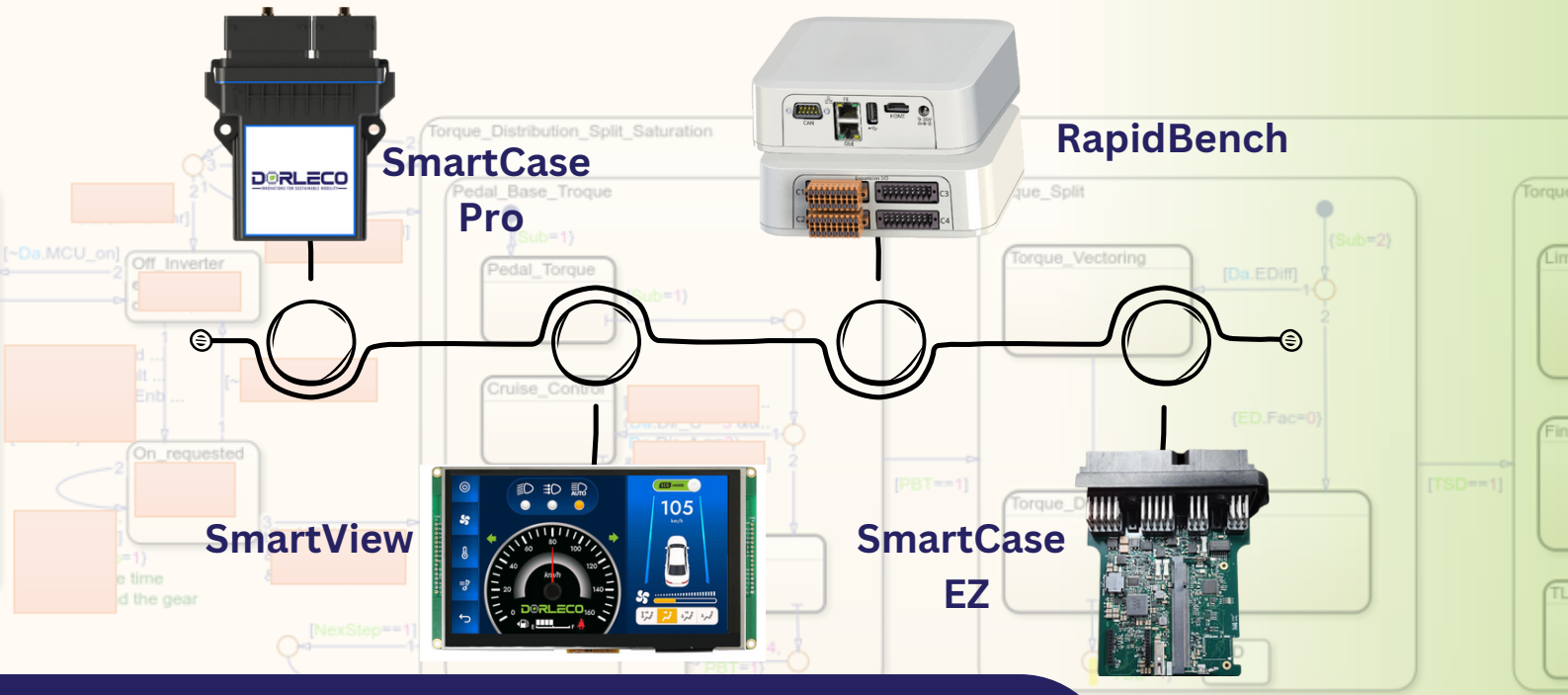


THE MONTHLY INSIDER

evCode

Built entirely in-house, the evCode is an ideal starting point for any electric vehicle supervisory controls software application. Some important features of the evCode are:

- Input characterization of sensors and input processing
- Multiple input configurations
- Vehicle state monitoring
- Start-up and shutdown management
- Drive-mode management
- Arbitration between drive requestors
- Discrete output controls
- Accessory controls
- Diagnostics Management

The evCode:

- is a pre-built software for powertrain controls
- connects target hardware through CAN channels
- eases development, calibration, and testing

This software is available as an off-the-shelf product or can be tailored according to the requirements. Visit https://dorleco.com/evcode/ to learn more about evCode. Contact us at info@dorleco.com for details about its features, functions, flashing tools, compatible hardware, and more!

Newsletter Highlights

evCode

BodyCode

eBikeCode

RapidBench

SimEV 1.1 Trial Extension

Bootcamps

Full-time Openings

BodyCode

BodyCode is a pre-built vehicle body controls software that can be readily flashed, calibrated, and run on a production-grade or prototype vehicle.

It is compatible with most open ECUs or production-grade BCMs. It also has customization options for bespoke economy or luxury applications integrated with Android Auto.

The BodyCode:

- is a fully built, ready-to-use software for body controls
- connects target hardware through CAN channels
- eases development, calibration, and testing

For more information about the functionalities, flashing tools, compatible hardware, and features, write to info@dorleco.com or visit us at https://dorleco.com/bodycode/

eBikeCode

eBikeCode is a controls software for electric bike applications developed in-house at Dorleco. The software includes logic for:

- Reverse Control
- Cruise Control
- Pedal Assist
- Driving Mode Management

Some features of the eBikeCode are:

- Start-up and shutdown management of motor controller and accessories
- Over-current and under-voltage protection while driving
- Throttle and pedal assist fault check
- LED blinking for different modes and diagnostics

Get your eBikeCode software: https://dorleco.com/ebikecode. For details about the available software functions, flashing tools, compatible hardware, and features, write to info@dorleco.com.

RapidBench

The RapidBench is explicitly developed for quick integration and validation of controls software. Suitable for Rapid Control Prototyping of light automotive applications, the RapidBench can be directly connected to the computer for instantly flashing the software. The wireless peripheral options will allow the user to quickly process and upload the data or iterate the control design over the air.

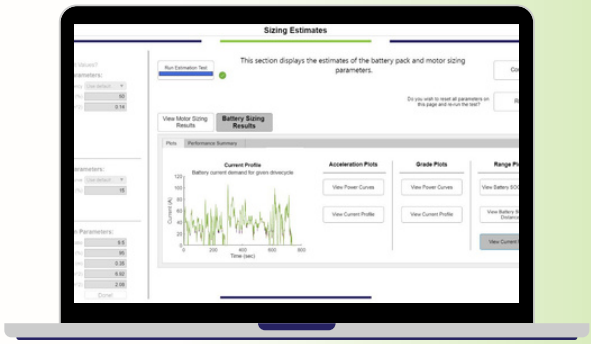
Some features of the RapidBench are:

- Simulink based Application Development with no additional license requirement
- Easy interfacing with any VCU for controls testing
- Portable hardware with versatile controller
- Simulate powertrain systems for controls validation

The product also comes with optional Wi-Fi and Bluetooth connectivity. Head to the website page and check the product brochure and datasheet. Get your RapidBench today by contacting info@dorleco.com or visit us at https://dorleco.com/rapidbench/.

SimEV 1.1 Free Trial Extension

Thanks to the overwhelming response for Dorleco SimEV, we are pleased to announce that we have extended the free trial period until the end of February 2023. You can download the software for free here: https://dorleco.com/simev/
Once downloaded, you get lifetime access to the current version of the tool.



Dorleco will be conducting another free demo of SimEV in the last week of January.

For more details, write to info@dorleco.com! Stay tuned for more news about upcoming versions and free demos!

Bootcamps

We are back with another crash course this January - The 'Drive-by-Wire Controls Bootcamp' starting 30th January. This will be a 10 hours (2 hours/day) real-time training program with focus on e-mobility systems.

Here is what you get along with the live sessions:

- Simulink model
- Reference materials along with theoretical know-how of controls
- IEEE certificate with 10 Professional Development Hours (PDH) and 1 Continuing Education Unit (CEU) *(subject to completion of the final quiz)*

This bootcamp is best-suited for students and working professionals looking to set their foot into the automotive controls and software domain, the bootcamp provides candidates an opportunity to up-skill in:

- V-Cycle development
- System modeling
- Model-Based Development (MBD) methodology
- Requirements generation
- Architecture development
- Controls software development

Wait no more! Click here to head to our website for more details and register for the program today.

Some exciting news for people looking to kickstart their careers in vehicle communications or autonomous vehicles areas. Dorleco is introducing a new BootCamp - 'CAN Implementation in EVs & AVs Bootcamp' and starting the next batch of the 'Autonomous Vehicle MBSE Bootcamp' in the coming months. Click here for more information on the bootcamps.

Full-time Openings

We are looking to fill the following positions in our Farmington Hills (USA) and Pune (IND) facilities. Details of the roles have been specified on our careers page: https://dorleco.com/career/.

To apply, send your resumes to hcarter@dorleco.com (USA) or samruta@dorleco.com (IND) with the position title in the subject.

Job Titles

- Component Developer - MBD Engineer
- System Engineer
- Vehicle Triage Engineer
- Hardware Design Engineer
- ADAS System Test Engineer
- HIL Test Engineer
- Embedded Software Engineer
- Test Automation Developer
- Vehicle Controls Intern - Mechanical (Pune)
- Vehicle Controls Intern - Electrical/Electronics (Pune)

Follow us on LinkedIn and subscribe to our Newsletter to keep yourself updated with our offerings!!