THE MONTHLY INSIDER

ToughCase (VCU)

Developed for safety-critical applications, the ToughCase Vehicle Control Unit let's you bring your project to life with confidence and with minimal extra components. It operates across a large voltage range, drives high current output directly, and is built to function in a wide range of environmental conditions.

The ToughCase acts as a supervisory control and can be used for various applications such as powertrain, chassis, stability, thermal, steering, transmission or body controls. An optional PLC communication channel is also available that can be leveraged for charging controls logic within the software. Both the configurations also come with an optional Wifi, Bluetooth, LTE, support.

Newsletter Highlights

ToughCase (VCU)

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New Launch - FirstCrawl

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SimEV 2.0

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Model-It-Yourself: ADAS

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Current Openings

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Team Activities

The ToughCase comes in 4 major configurations:

- ToughCase-64 (TC64)
- ToughCase-154 (TC154)
- ToughCase-64P (TC64P -with PLC)
- ToughCase-154P (TC154P - with PLC)

The ToughCase gets its first-in-segment feature: software-configurable low-side and high-side drivers. It goes on a wide range of applications: 2-wheeler, 3-wheeler, Passenger Cars, class 2-8 Commercial Trucks, e-buses, Defence and Marine vehicles, etc.

The ToughCase is part of Dorleco's initiative to manufacture Make-in-India VCUs. Our clients also get an option to populate-depopulate the ToughCase which will help optimise the VCU costs.

Get the ToughCase Brochure and Datasheet by reaching out to us at **info@dorleco.com.**

New Launch

FirstCrawl:
Get your EV moving with OTS E/E & Dorleco SW

Are you a start-up looking forward to showing your first functional 3W prototype to your potential customer? Are you an OEM planning to exhibit your truck in the upcoming EV show and grab some eyeballs? Are you aiming at showcasing your functional 2W prototype to your potential investors to raise your next round?

We at DORLECO, understand that time is of the essence for our clients and have designed a quick TAT pilot project package to get the prototypes off the ground in record time!

Dorleco is excited to introduce our newly launched service – FirstCrawl. In this program, we assist EV manufacturers to crank up their vehicles and get the vehicles moving with off-the-shelf E/E components and our software.

The process:
1. Use our Ready-to-go System Requirements
2. Sourcing and freezing powertrain components
3. Document Sharing (DBC, user manuals, etc)
4. Software Development
5. Software Integration & Testing (SIL, MIL, RCP)
6. On-site in-Vehicle Integration
7. Vehicle Testing & Validation

After the FirstCrawl phase is completed, we move on to the FirstRun next phase where the production-ready application software is developed for vehicles to have them ready for homologation.

Numerous EV companies have leveraged our ready-to-use ASW and in-vehicle integration & testing expertise to expedite their development efforts.

Want to know more about the First-Run service? Reach out to us at info@dorleco.com

Upcoming Products

SimEV 2.0

Full Vehicle Plug-and-Play Simulator

Previously, we revealed a secret that our engineers are working on SimEV 2.0. The beta version is ready and based on the testing conducted, we can describe the upcoming SimEV 2.0 as 'FAST'. Get your results with just two-clicks.

And have you not tried SimEV 1.1 yet? What are you waiting for? It's FREE!
Head to our underlined website and get your software now. Perform powertrain simulations, generate suitable component size and get off-the shelf motor and battery recommendations!

Trainings

Model It Yourself: ADAS

Dorleco's new **Model It Yourself** (MIY) series is focused on autonomous vehicle technology.

This course contains step-by-step instructions on how to model systems for autonomous vehicles. It presents an overview of designing and testing scenarios for understanding autonomous vehicles concepts such as perception, localization, tracking, prediction, planning, and control. It also includes a pathway for any engineer to enter the world of self-driving cars and discusses the various domains one can work in.

Give your Controls Engineering career a head-start with the 'Model It Yourself' series. The MIY self-paced learning programs provide a step-by-step instruction set that guides the user through the fundamentals of model-based development. Currently, the MIY programs are available for,

- E-Mobility Control Systems
- ADAS

Your feedback and suggestions are welcome. Please email us at info@dorleco.com
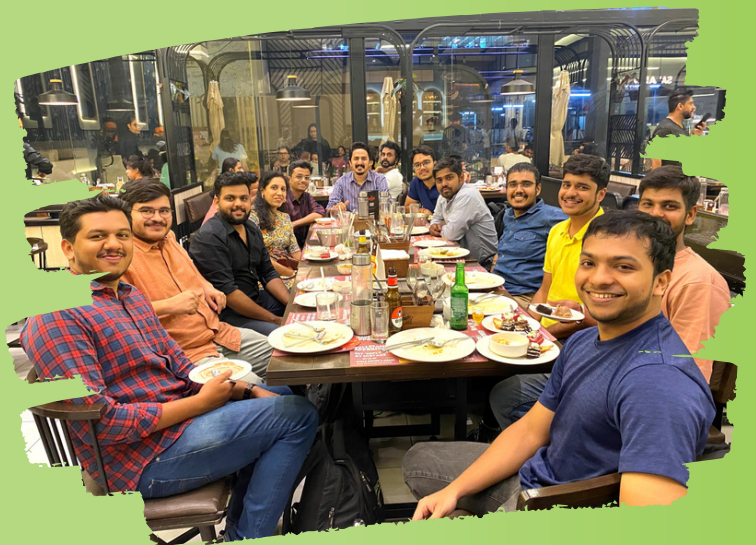
Current Openings

Want to work with us? We have multiple openings at our Farmington Hills (USA) office and at client locations in Bengaluru. The positions are listed below. Drop in your CVs via email to samruta@dorleco.com with the 'Job Title' of interest in the subject line.

Job Titles

- Embedded Software Engineer
- Embedded Software Engineer for Powertrain Systems
- Program Manager – Drivetrain Systems
- Firmware Development Engineer
- Firmware Testing Engineer
- Cybersecurity Engineer
- Functional Safety Engineer
- Based Development (MBD) Engineer

- Vector Boot Loader Engineer
- AUTOSAR Engineer
- MCAL/CDD Developers – debugging/coding
- Embedded Software Developer with experience in the latest microcontrollers and ASICs
- Core HSM and Secure Boot - Cybersecurity
- Model-Based Systems Engineer

Work Culture

Team Activities

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