



VOL. 01 · SERVICES BROCHURE · 2026

From sketch to road-ready.

Every discipline an EV program needs — industrial design, engineering, battery & powertrain, software, validation, homologation, and U.S. manufacturing — under one roof.

01 SERVICES

02 WORK

03 MANUFACTURING

04 ENGAGE

We've assembled the cross-functional team most startups can't hire, and most OEMs can't deploy quickly enough.

LAND Labs is an electric-vehicle development studio. We take two- and four-wheel programs from clean-sheet concept through validated, homologated, manufacturable product — with the same team carrying the work from sketch to start-of-production.

Our work spans premium urban motorcycles, light electric four-wheelers, swappable battery systems and the connected software stack that ties them together. We build in Cleveland, Ohio, and scale through trusted production partners in Southeast Asia.

17+

YEARS BUILDING EVS

8

VEHICLE PROGRAMS TO SOP

2W • 4W

FORM FACTORS

USA • SEA

PRODUCTION FOOTPRINT

Six disciplines. One accountable team.

Hire the disciplines you're missing — or hand us the whole program. Each capability is led by a senior practitioner with production experience.

01

Industrial Design

Vehicle architecture, ergonomics, surfacing, CMF and a design language built to be manufactured.

- Concept & sketching
- Class-A surfacing
- CMF & branding

02

Mechanical Engineering

Chassis, suspension, body and packaging engineered for performance, safety and cost.

- Frame & chassis
- Suspension & dynamics
- Body & closures

03

Powertrain & Battery

Motor selection, inverter integration, battery pack design, thermal management and BMS strategy.

- Pack design
- BMS & thermal
- Motor & inverter

04

Electronics & Software

Vehicle controls, telematics, HMI and over-the-air infrastructure.

- VCU & firmware
- Telematics
- HMI & cluster

05

Validation & Homologation

DV/PV test planning, lab and track validation, and homologation across target markets.

- DV / PV planning
- Lab & track testing
- EU / US / APAC

06

Industrialization

Supplier development, tooling, pilot builds, SOP and production ramp support.

- Supplier development
- Tooling & pilot
- SOP & ramp

Programs we've moved from idea to reality.

A sample of the EV programs LAND Labs has led or contributed to. Some are public, most are under NDA — talk to us for the long version.



DISTRICT

Premium connected commuter

Clean-sheet two-wheel motorcycle program with OTA intelligence and real-time data — from sketch to production in the U.S.A.

U.S. MANUFACTURING · VEHICLE & BATTERY · DV PROTOTYPES



DASH

DRT · Venture · Street

Lightweight, modular and affordable three-variant lineup designed and engineered for global manufacturing scale.

PLATFORM ENGINEERING · INDUSTRIALIZATION · PILOT BUILD



CORE

Intelligent battery system

Rugged IP67 swappable packs with the Battery Passport — health monitoring and OTA-managed firmware anywhere in the world.

PACK DESIGN · BMS · CONNECT IQ



FOUR-WHEEL

LEV · NEV · L7E platforms

Purpose-built four-wheel platforms across the LEV, NEV and L7E classes — campus runabouts, homologated quadricycles, rugged utility vehicles.

TUBE FRAME · SWAP PACK · MODULAR DT

The data layer behind the fleet.

We deliver vehicles and the software stack that makes them intelligent: a white-label rider app, a connected-vehicle backend, and the Battery Passport — built once, owned by the brand.

01 | Rider App

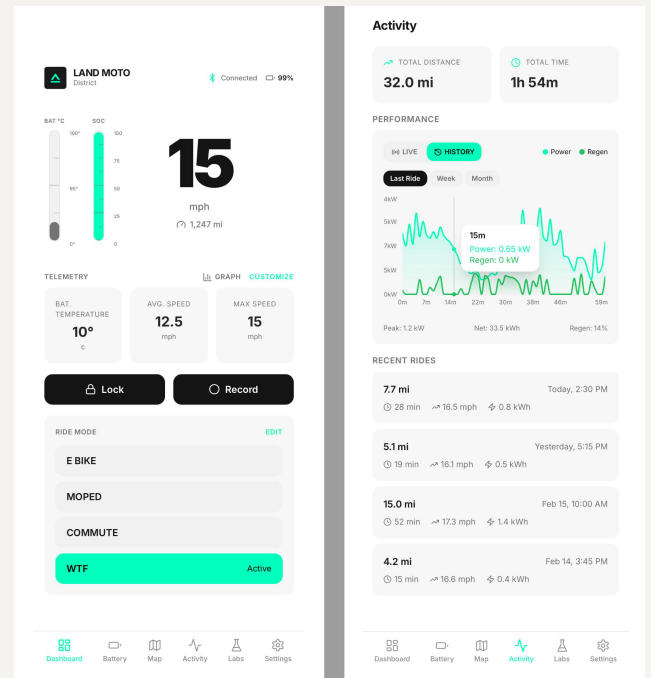
iOS / Android / Web. Live telemetry, ride modes, lock/unlock, OTA. White-label theming.

02 | Backend

Telemetry ingestion, OTA delivery, diagnostics, fleet & marketing analytics.

03 | Battery Passport

Health monitoring, lifecycle tracking, OTA-managed firmware on every pack.



U.S. fabrication. Global scale.

Our Cleveland, Ohio facility is home to LAND's small-scale U.S. production — where prototypes, pilot builds and limited-run vehicles are fabricated, assembled and validated under one roof.

For high-volume programs, we extend that capability through trusted production partners in Southeast Asia — a direct path from a U.S.-built pilot to globally manufactured volumes.

- 01 Cleveland, OH fabrication**
Frame, harness, pack & final assembly
- 02 Pilot & low-volume builds**
DV / PV runs, small-batch production
- 03 SE Asia production partners**
Tooled, high-volume manufacturing

Flexible engagement. Fixed accountability.

Three ways to work with us — pick the shape that fits your program and the resources you already have in-house.

01

Program Ownership

We run the program end-to-end with your team embedded as stakeholders.

02

Workstream Lead

We own a critical workstream — battery, chassis, software — within your wider program.

03

Advisory

Senior advisors against specific milestones, gate reviews and supplier decisions.

START A CONVERSATION

CONTACT

Let's talk about your program.

We're happy to walk through detailed case studies with qualified teams. Reach out for the long version, under NDA.

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