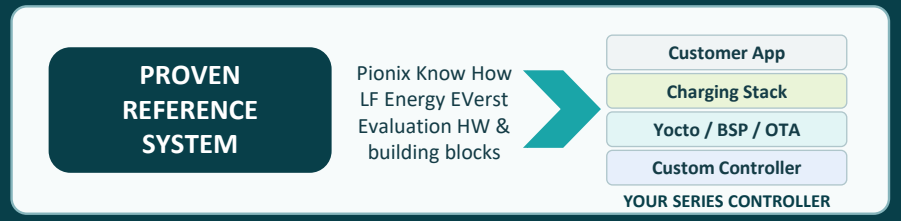
MODULAR EVSE CONTROLLER PLATFORM

Shorten your time to market with a custom-off-the-shelf charge controller.

Combine pre-validated building blocks with the adaptations your product actually needs.
The result is a controller tailored to your requirements while remaining cost-efficient.

FUNCTIONAL PROTOTYPE IN 10 WEEKS



Why this approach works

Use proven IP. Adapt only what differentiates your product.

Start from a proven baseline
Reference system based on validated hardware building blocks and LFE EVerest, proven in the field. Check feasibility before committing to custom development.

Adapt only what matters
Controller hardware, interfaces and mechanics follow your charger. Security, OTA and product integration follow your requirements.

Move to series with a plan
Defined phases, clear gates and repeatable validation; from pilot build through production release to lifecycle support

A defined path from evaluation to production and lifecycle management

PROJECT START

0 Explore

CUSTOMER, PIONIX SUPPORT

- Proof of concept based on development kits
- Hands-on trial of LFE EVerest in your charger
- Assess the platform against your requirements
- Proceed independently or with the Pionix Starter Package
- Feasibility check

1 Define

2 WEEKS

- Requirements workshop
- Customer requirements turned into system requirements
- Concept design: dimensions, connectors, fit into your charger
- Detailed design based on pre-validated reference designs
- Security & lifecycle strategy

2 Prototype

8 WEEKS

- Controller hardware adaptation
- Schematic and PCB design
- Linux BSP and hardware bring-up
- LFE EVerest and application integration
- Prototype build: 10 units

3 Integrate + Test

8 WEEKS

- Prototypes integrated into your charger for real-world testing
- Customer app and Backend integration
- Pre-compliance testing
- System and field validation Required changes defined

Iterate if required

SERIES START

4 Industrialize

10 WEEKS

- Incorporate findings and complete design clean-up
- Production hardware and pilot build
- EMC/EMI compliance testing
- Manufacturing test, provisioning and production release
- Pre-series build of 20–50 units for labs, certification, field testing

5 Production & Lifecycle

ONGOING

- Series production and customer orders
- Series support
- Updates and security maintenance (OTA)
- Lifecycle management
- Long-term availability

*Timings apply to the standard path based on the existing reference system. An additional Prototype / Integrate + Test loop extends the schedule.

Get in touch and accelerate your controller development.

THE EXPERTS TEAMED UP FOR YOU
PIONIX | AST-X | SOLECTRIX

Stefan Schütz | LinkedIn:
linkedin.com/in/stefanhschuetz/