

# Long-lifecycle industrial displays and embedded SBC solutions

**Fast to validate.**

**Predictable to scale.**

For industrial product teams

Industrial TFT Displays • Embedded SBC • HMI



# About LMTEK

LMTEK supports industrial product teams with long-lifecycle TFT displays and embedded SBC solutions.

We help teams move efficiently from prototype to stable production through scalable customization and predictable supply.

## What We Deliver

- Industrial TFT & Touch modules
- Customized SOM / SBC platforms
- Integrated HMI core solutions
- Engineering & supply continuity support

## Portfolio

2.0"–15.6" TFT & Touch  
• Embedded SBC • HMI Integration

### Applications

• Industrial Automation • Energy  
Management • EV Charging • Smart

## Response Times

- 24h weekday response
- Standard samples: 1-2 week
- Custom samples: 3–6 weeks
- Mass production: 5–6 weeks

# Why LMTEK

## Project pace you can rely on

Defined milestones from prototype to production.

## Customization that scales

Platform-based design for variants and volume.

## Predictable long-lifecycle supply

PCN discipline and BOM stability.

### Best fit

- Long-lifecycle programs
- Mid-volume production with variants
- Quality-driven teams willing to pay for stability

### Not ideal for

- Price-only sourcing
- One-off, ultra-small quantities
- Frequent spec changes without change-control

Project delivery • Scalable customization • Long-lifecycle support

# PLATFORM ECOSYSTEM

## From components to industrial platforms

O1

### Hardware (Hero)

Industrial TFT Displays & Touch • Embedded SBC solutions

O2

### Support

HMI integration support for system-level projects.

O3

### Engineering

Integration • Prototype Support • Production Readiness

BSP/SDK reference, driver adaptation (project-based), and documentation support.

O4

### Lifecycle

PCN Control • Compliance coordination • Supply continuity

Advance notice, change-control, and alternative evaluation support for long-term deployments.

#### Bring your specs

Size • Interface • Environment • Timeline — we'll recommend a short list and delivery path.

Platform-based delivery • 24h response (weekdays) • 180-day PCN

# Industrial TFT Displays

Industrial-grade TFT displays designed for long-lifecycle programs.

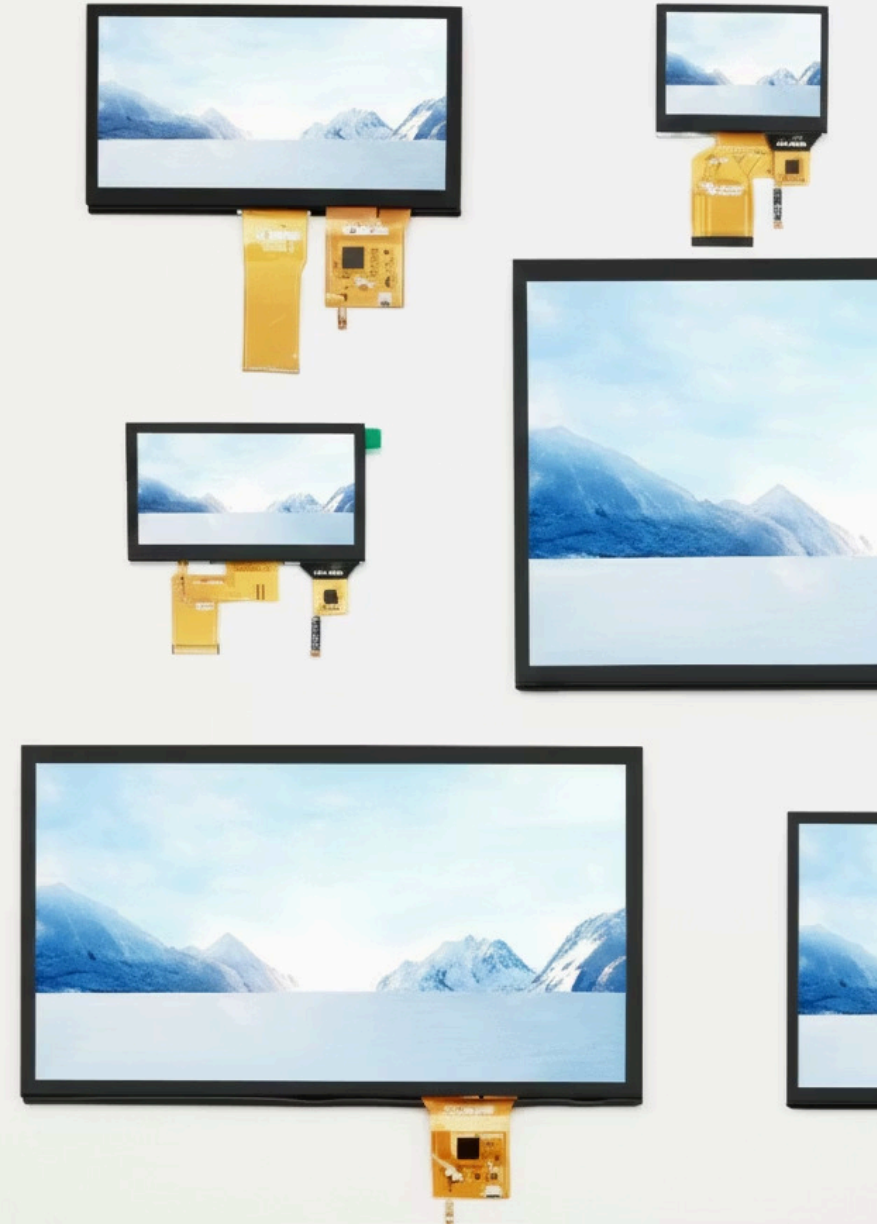
## At-a-glance

- Size range: 2.0"–15.6"
- Touch options: RTP / CTP
- Brightness: standard & high brightness (project-based)
- Bonding: air bonding / optical bonding
- Interfaces: MCU, RGB, SPI, MIPI DSI, LVDS, eDP
- Customization: FPC shape/length, pin definition, backlight tuning, touch matching

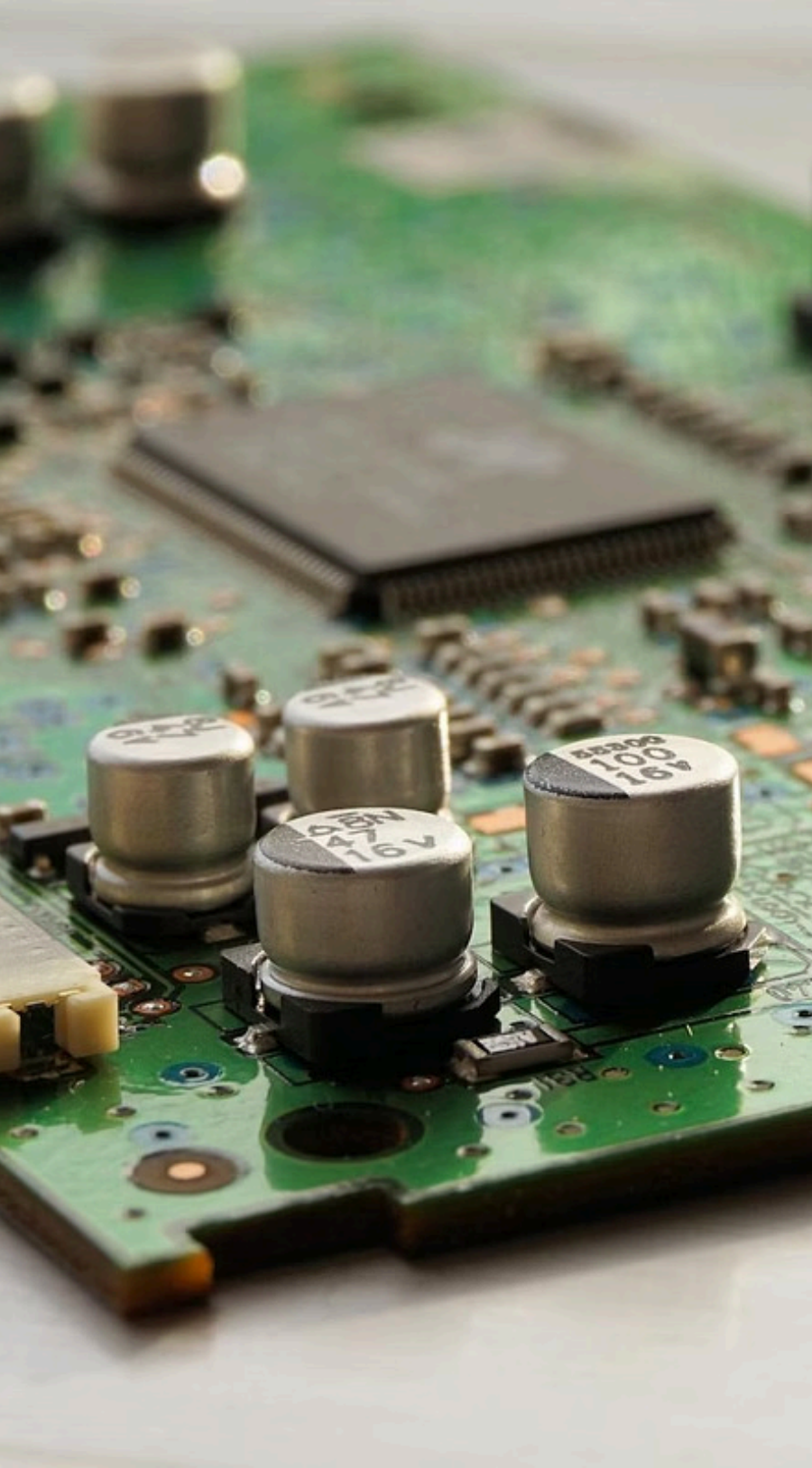
## Consistency control (project-based)

- Brightness consistency (same model / same batch; binning available)
- Color consistency (CCT / color performance management; binning available)
- Touch consistency (linearity, sensitivity, false-touch stability for CTP)
- Appearance & assembly consistency (critical dimensions for cutout & tolerances)

Industrial consistency • Project-based customization • Long-lifecycle programs







# Embedded SBC Solutions

Platform-based embedded SBC solutions aligned with industrial displays for faster validation and scalable deployment.

## Scope (project-based)

- Platform selection
- Interface & driver alignment (project-based)
- Documentation support

*Not cloud / SaaS services*

### Project fit

New design • Platform upgrade • Second source • Regional variants

### Typical integration

SBC + industrial display + system I/O — optimized for stable production ramp and lifecycle continuity.

Project-backed by an in-house R&D team of 40+ hardware and software engineers.

Platform-aligned • Project delivery • Long-term support

# HMI Integration Support

Support module within platform projects — enabling smoother system integration and faster ramp.

## Capabilities (project-based)

- Panel integration with display & SBC platforms
- Front protection & mechanical fit (project-based)
- Interface alignment and wiring support
- Cutout / assembly coordination for production readiness

📌 Not a standalone consumer product.



# Target Applications



## Industrial Automation

Uptime-driven systems where stable supply and predictable ramp matter.

**Typical devices:** HMI panels, controllers, industrial gateways.



## Energy Management

Long-running deployments requiring consistency and change-control.

**Typical devices:** EMS units, monitoring gateways.



## EV Charging

Outdoor readability and fast regional variants for rollout.

**Typical devices:** EV chargers, payment kiosks.



## Smart Buildings

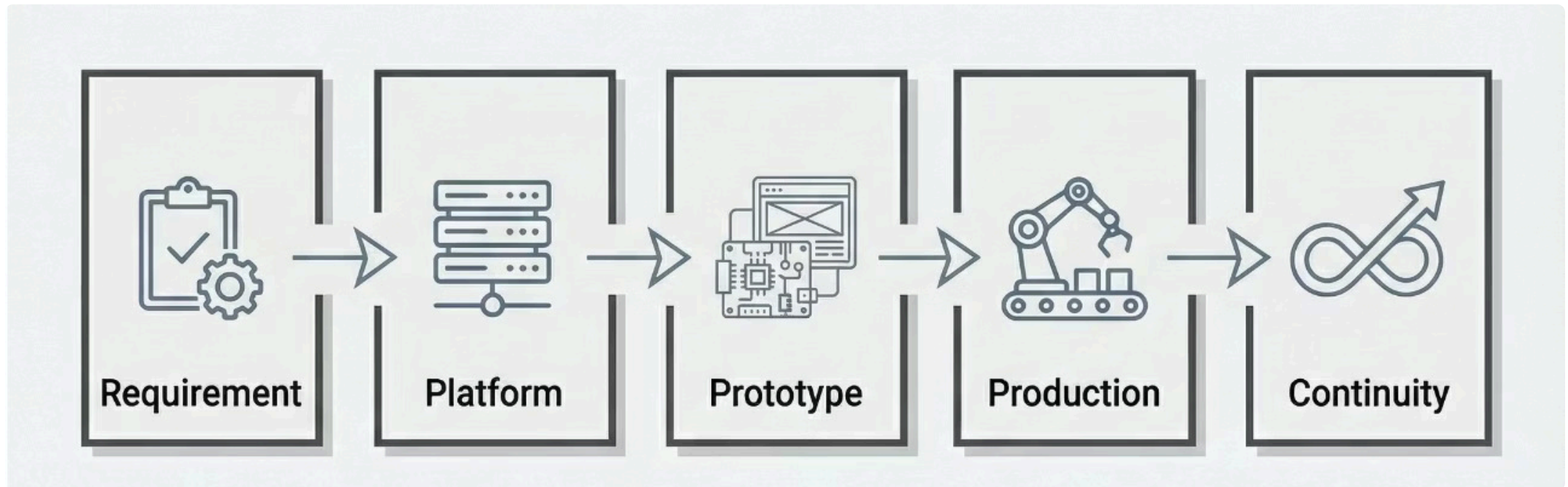
Platform consistency across product lines and projects.

**Typical devices:** BMS panels, control terminals.



# Customization & Engineering Process

A structured, project-driven process to move from specs to stable production.



## Input

- Target size / resolution / brightness
- Interface & system architecture
- Environment & compliance needs
- Timeline and lifecycle expectations

## Output

- Platform shortlist & recommendation
- Sample plan with milestones
- Production-ready path and change-control basics

Structured process • Controlled ramp • Long-term readiness

# Quality, Consistency & Validation



## Consistency (project-based)

Brightness • Color • Touch • Appearance & assembly fit



## Validation (project-based)

Aging • High/low temperature • ESD



## Production stages

Prototype • Pilot • Mass Production

❏ Validation scope and acceptance criteria follow platform standards or project requirements.

Consistency control • Project-based validation • Production readiness

# 180-day PCN

Change-control and alternative evaluation support for long-term deployments.

## Supply control (project-based)

- BOM control and lifecycle monitoring
- Alternative evaluation & impact assessment
- Validation support for controlled changes

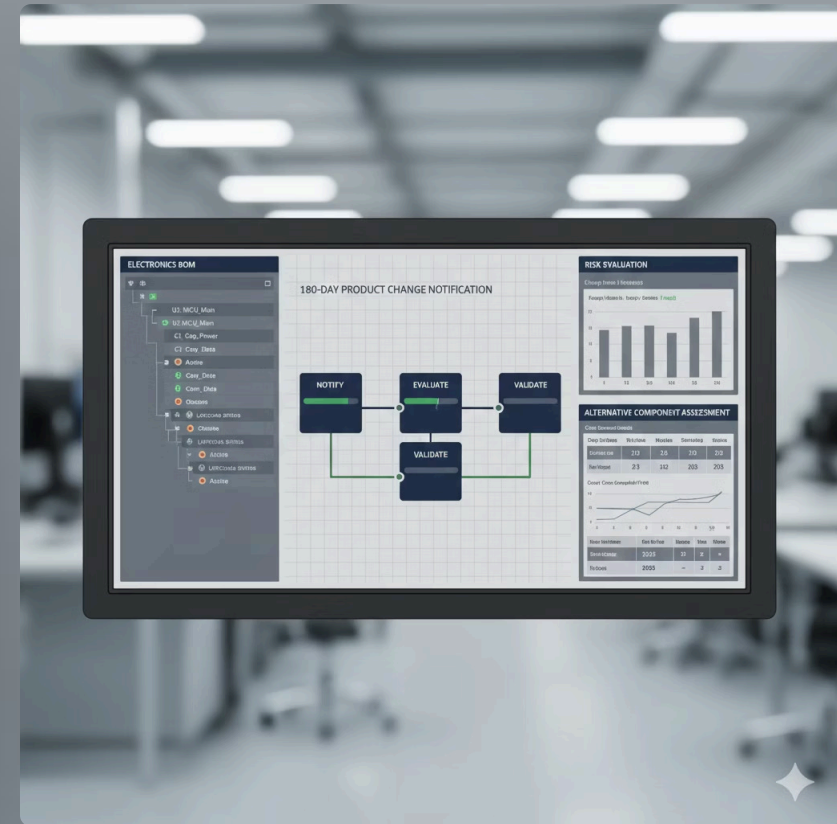
## Change control

Notify → Evaluate → Validate

## Compliance coordination

RoHS / REACH ready • CE / FCC (project-based) • ISO9001 / ISO14000 systems

180-day PCN • BOM control • Compliance support



# Next Steps



## What to do next

- Explore platform guides on our website
- Share your target specs — we'll recommend a shortlist and timeline
- Schedule a short technical discussion



## Easy ways to connect

- Drop your business card at our booth
- Email subject: EW2026 + your project

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## Contact

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