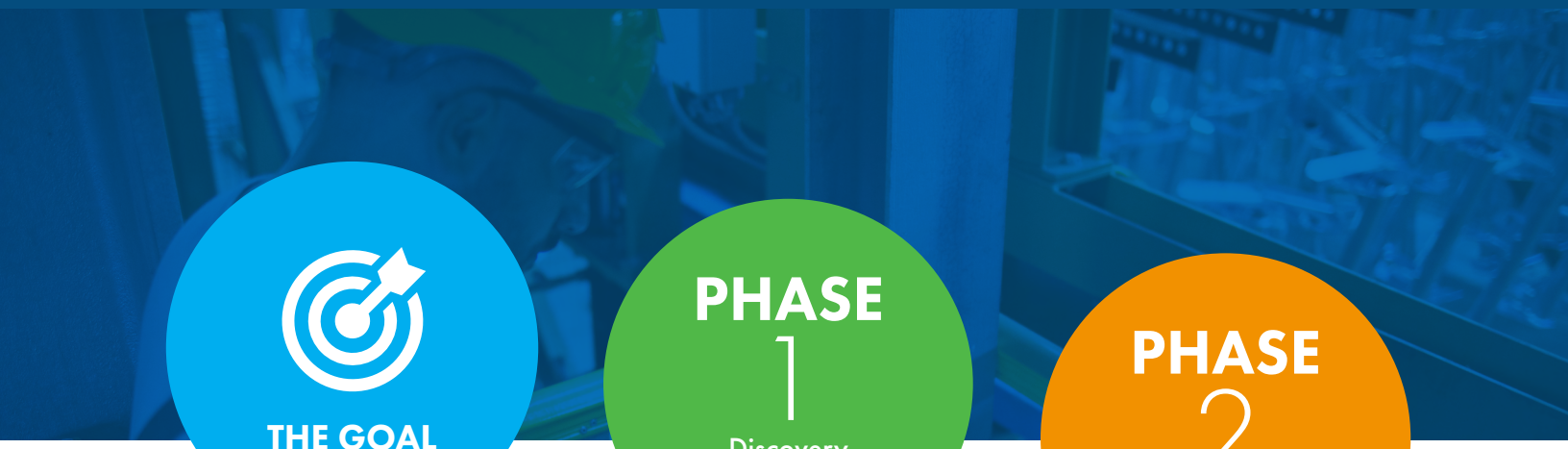
B&K SERVICES & SOLUTIONS GROUP

ROADMAP 2026

PLC / HMI STANDARDIZATION ROADMAP

SIMPLIFY • SCALE • SUPPORT

With B&K Engineer Jack Erbacher



THE GOAL

Help you standardize on a control platform that reduces engineering time, protects your build schedule, and improves serviceability without limiting flexibility for specialty machines.

B&K leads the process from evaluation to rollout with engineering + supply chain aligned.

PHASE 1

Discovery
(Weeks 1–2)

Define what your machines actually need

We work with your engineering team to:

- Review core machine families
- Map I/O, motion, safety, and networking requirements
- Identify programming & commissioning pain points
- Align on customer protocol and remote access expectations

Deliverable: Platform Requirements Matrix + ROI Opportunity Snapshot

PHASE 2

Platform Selection
(Weeks 2–4)

Select the right Tier A (Core) and Tier B (Specialty) architecture

We evaluate Schneider, ABB, and Red Lion based on:

- Engineering efficiency
- Supply chain reliability
- Ecosystem integration (drives, safety, robotics)
- Remote service capability
- Lifecycle & scalability

Deliverable: Recommended Standard Platform + Executive Comparison Summary

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PHASE 3
Live Machine Validation
(Weeks 4–8)

Prove it on a real build

B&K supports:

- Starter BOM and panel architecture
- PLC program structure development
- HMI template framework
- Drive & network integration
- Manufacturer engineering support

Deliverable: Commissioned reference machine + validated time savings

PHASE 4
Standardization Package
(Weeks 8–12)

Turn it into a repeatable system

We help develop:

- PLC project skeleton & diagnostics structure
- Standard HMI screen templates
- Alarm & fault philosophy
- FAT & commissioning checklist
- Approved standard BOM + stocking strategy

Deliverable: "Builder Control Standard v1.0"

PHASE 5
Rollout & Supply Alignment
(Weeks 12–16+)

Make it operational across your builds

- Programmer and commissioning training
- Inventory planning aligned to your forecast
- Quarterly engineering and supply reviews
- Ongoing escalation and design support

EXPECTED YEAR 1 RESULTS

- 15–25% reduction in engineering hours per machine
- 20% faster commissioning
- Improved troubleshooting consistency
- 80%+ platform adoption on new builds
- Reduced supply chain risk

WHY B&K

- Local engineering partnership: not just part numbers
- Direct manufacturer access & escalation
- Strategic stocking aligned to your builds
- Long-term roadmap planning as your machines evolve

OUTCOME

A documented, scalable, and supportable architecture that improves margin, reduces complexity, and protects your production schedule.