

SERVICE BRIEF

Brownfield and Greenfield Code Development

PLC and SCADA software written to your standard, or ours, and proven before it reaches site.



Control software outlives the people who write it. On an existing plant it is often patched by several hands, lightly documented and risky to touch. On a new one, every supplier brings its own style, and you inherit the mix. Either way, the code has to run your process safely and stay supportable for decades.

THE CHALLENGE

Software your engineers can own

Code nobody fully understands

Existing code is risky to change

Your standard, not theirs

Suppliers ignore your standard

Faults found on site

Errors surface at commissioning

Documents that drift

Documentation no longer matches

WHAT WE OFFER

Six ways we develop your software

Your standard, your blocks

To your coding standard and block library

A standard built with you

A new standard, created and documented with you

Brownfield: understand, then change

Existing code analysed, documented and modified

Our standard

To the Matrix software standard

Generated from your examples

The project generated from your examples

Greenfield: specification to code

New systems built from the specification

HOW WE DELIVER



What you receive

- ✓ Functional design specification
- ✓ Coding standard and block library
- ✓ Alarm list and HMI interface
- ✓ Source code with its change history
- ✓ Training and fault method statements
- ✓ Software design specification
- ✓ I/O list and cause-and-effect
- ✓ FAT and SAT protocols and records
- ✓ As-built drawings and evidence index

How we prove it

- Every function traced from the specification to its code and its test
- Code reviewed by an engineer who did not write it
- Sequence, interlock and alarm tests run against a simulated plant before factory acceptance
- Deviations logged with their fix and retest; nothing closed silently
- On running plant, every change staged from offline to simulation to live, each step signed off

OUR ANSWER

Structured, standards-led software, tested before site and documented as it runs.

ISO 9001 certified • Cyber Essentials • CHAS • Constructionline • SafeContractor

Talk to us about your software

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