

Agriculture

Control systems for safe, dependable farm machinery and crop handling.



Agriculture is increasingly automated, from the machines that prepare soil and sow seed to the plant that dries, stores and moves each harvest. Growers, machinery builders and processors need control systems that are safe around people, dependable through short seasons and simple for operators and service teams to support.

YOUR PRIORITIES

What matters most

Safety around machines

Safety functions designed and proven, by law.

Ready when the season is

Machines that work when the window opens.

Crop quality in store

Grain dried and stored in condition.

Dust and explosion risk

Controls suited to dusty, hazardous areas.

STANDARDS

Standards we work to

ISO 25119

Safety-related parts of control systems on tractors and machinery for agriculture and forestry, graded by AgPL.

ISO 11783 (ISOBUS)

The serial control and communications network linking tractors, implements, terminals and farm management systems.

BS EN ISO 4254-1

General safety requirements for self-propelled, mounted, semi-mounted and trailed agricultural machinery.

Supply of Machinery (Safety) Regulations 2008

The GB law on machinery safety that sits behind a declaration of conformity and UKCA or CE marking.

DSEAR 2002 and ATEX

Managing the risk of explosive atmospheres, including grain and feed dust, and the equipment used in them.

BS EN ISO 13849-1

Safety-related parts of machine control systems, rated by performance level (PL).

HOW WE DELIVER

Specify

Design

Test

Commission

Hand over

Support

Systems we engineer

- Automated soil preparation and planting
- Machine and implement control
- Grain drying and moisture control
- Storage, silo and ventilation control
- Intake, conveying and elevators
- Operator HMIs and machine diagnostics

PROJECT EXPERIENCE

Soil preparation and planting

Matrix delivered the control system for automated soil preparation and seed planting machinery. Every project we deliver follows the same approach: requirements and standards agreed up front, logic tested before it runs, and full documentation for the people who operate and maintain it.

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

Talk to us about your project

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