



Course title:

Operational planning and site design for Autonomous Mobile Machinery (AMM) in UK agriculture & horticulture.

Cost: £60 plus vat

Suitable for:	
Staff employed by manufacturers testing, trialing or commissioning AMM	✓
Staff employed by distributors selling, trialing or commissioning AMM	✓
Business owner/managers responsible for AMM	✓
Site safety manager responsible for AMM safety	✓
AMM operator	✓
Staff working alongside AMMs	✗
Incidental staff (those employees who may come across an AMM by accident)	✗
Sectors covered:	
All agricultural businesses adopting AMM	✓
All horticultural businesses adopting AMM	✓
Livestock businesses adopting automated slurry and manure management	✓
Undercover crop producers	✓
Orchard growers	✓
Specialist crop producers using AMM eg hops, vineyards etc	✓
AMM types/functions	
Cultivators	✓
Crop management – planting, weeding	✓
Crop protection – spraying, light or laser treatments etc	✓
Crop monitoring	✓
Crop harvesting	✓
Driverless platforms – crop transport	✓
Robotic livestock feeders	✓
Slurry and manure handling	✓

Course overview:

A detailed look at the operational planning and site design considerations in relation to BS 8646:2023 – Code of Practice, with general best practice advice for businesses working with autonomous mobile machines in agriculture and horticulture in the UK.

Site design and operational planning are two important parts of the new Code of Practice (CoP) and this course covers all the relevant factors a business should consider to ensure compliance. It explains the impact of new regulations and what pre-planning is required when adopting autonomous machines in the workplace.

It looks at the main areas that are highlighted by the Code of Practice such as public rights of way, assessing existing infrastructure, ensuring the site meets the specific limitations of the autonomous machine being adopted and the implications for staff training and commissioning. Mapping, route planning and transport are covered in detail alongside other best practice advice for pre-planning and site design.

The course is aimed at businesses and their senior staff responsible for integrating autonomous machines into the workplace, but it's also useful for the AMM operator and manufacturers or distributors, advising UK businesses on their safe use.

We suggest using a PC or laptop and not to attempt the training on a mobile phone.

Lesson content:

LESSON 1

The Code of Practice (CoP) – what types of AMM are covered and its impact on employers and employees working with AMM.

Assessing the site prior to AMM adoption:

- Adapt to accommodate the AMM's limitations
- Provide a suitable work area for specific tasks
- Limit human-machine interactions
- Modify infrastructure
- Create a safe operating zone
- Apply change management techniques

Public rights of way

LESSON 2

Integrating AMM into existing infrastructure – conducting a needs assessment.

Change management – supporting employees.

Understanding technology. The role of maintenance and support and how it impacts site design.

Loading, unloading and inputs. Charging and refuelling requirements under the CoP.

LESSON 3

Operational management – Ensuring safety; traffic and access management; operational procedures for AMM; AMM specification and functionality, including AMM limitations and consequences for proper planning.

Commissioning and training for AMM under the CoP.

Monitoring and reporting.

LESSON 4

Site management – implications under the CoP for AMM use.

Accurate integration techniques; route planning; exclusion and segregation zones; transport and handling concerns.

Monitoring, review and evaluation – best practice.

Assessment:

End of course online test.

20 multiple choice questions.

80% pass rate required (no limit to number of attempts)

Timings:

Depending on prior knowledge and experience, this course is expected to take two hours to complete.

Accreditation:



This course is accredited and approved by LANTRA one of the UK and Ireland's leading awarding bodies for training in the land-based industries. All learners will be registered on the LANTRA system for the purposes of awarding certificates upon completion.

Contributors:

The course has been created jointly by MWR Media Ltd, the owners of the website www.eioperator.com and FarmSafe Consulting



with the help and support of industry specialists.

The content of this course and the training materials provided are not designed to meet specific product or individual requirements and it is the responsibility of you and your employer to ensure you acquire the right skills to perform your specific role. This course is provided for general training purposes and should not be considered as a substitute for professional advice.