IN-COMM
TRAINING SERVICES

INTRODUCING OUR

MODULARISED TRAINING PROGRAMMES

FUNDED BY
West Midlands
Combined Authority

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FUNDED BY WEST MIDLANDS COMBINED AUTHORITY

We're happy to announce that we have been awarded "Higher Level Skills" funding by the West Midlands Combined Authority in a bid to help engineering and manufacturing firms bridge the skills and competency gaps.

This funding will help add value to companies by upskilling existing staff and delivering advanced competencies within their business.

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BENEFITS OF TMG

- Regular content and information from the Technical Partners
- The chance to attend informative dinners, run by the Technical Partners
- Full free Legal Review of your business
- Discounts on more than 100 In-Comm Training Courses
- Access to grants and funding opportunities
- Support with Apprenticeship recruitment and skills matching
- Seminar programme tailored to member interests
- Access to proto-typing capability

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MODULARISED TRAINING

One of the key findings to come out of the latest In-Comm Training Barometer was that the biggest barrier to training is releasing staff from their activities – a massive 59% of respondents admitting this.

Time is obviously the greatest asset and we listened to what companies were telling us, designing a new **'modularised'** offer that means staff can learn specific modules of the Level 3-5 Engineering & Manufacturing and Leadership & Management frameworks.

These will be both accredited and unaccredited courses and will address key skills shortages and deliver true impact on the shopfloor and across leadership teams.

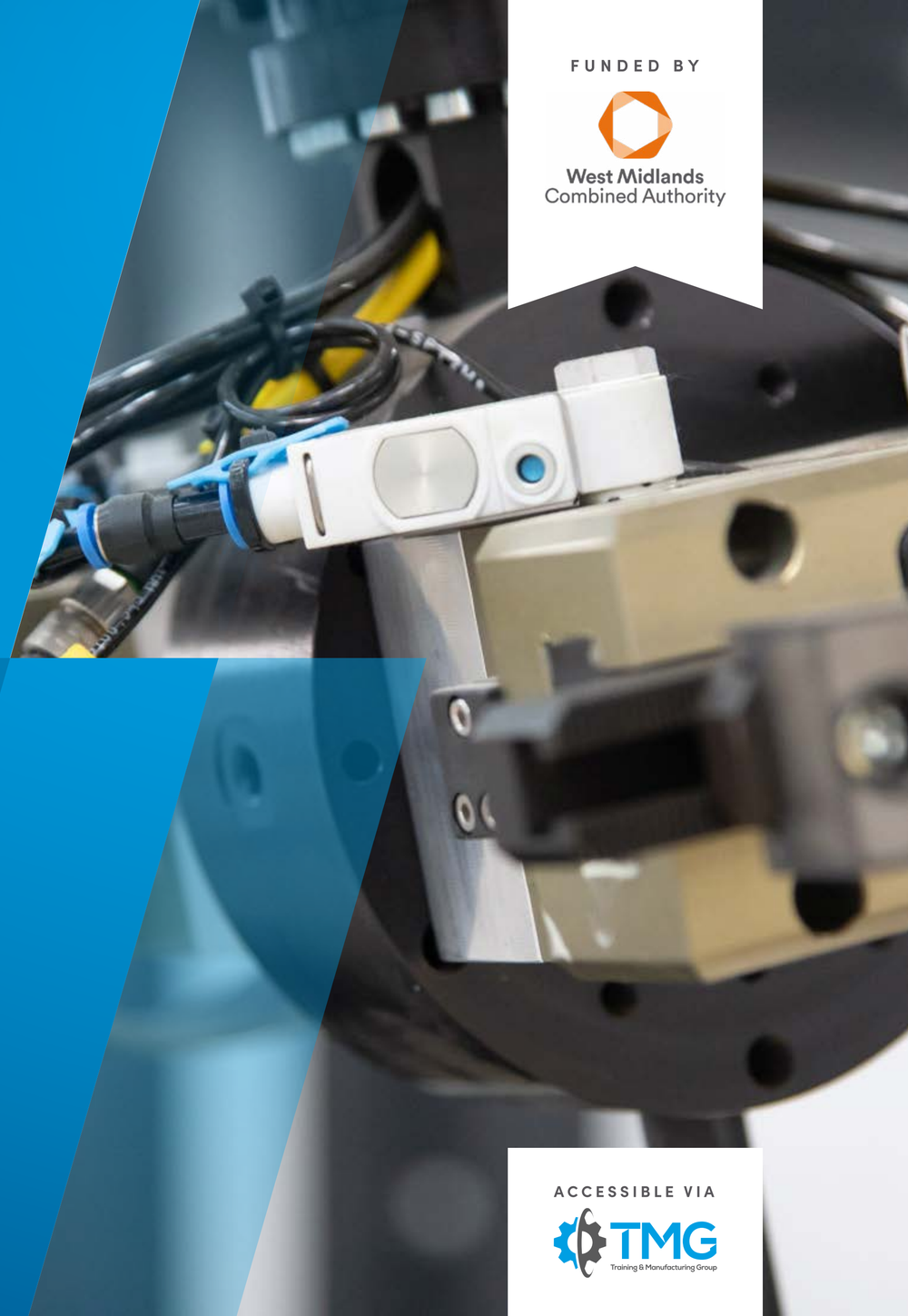
We took this offer to the West Midlands Combined Authority and, thanks to our existing relationship forged through the Precision Tooling Academy, it has backed it through **'Higher Levels Skills'** funding.

This means we can now support hundreds of learners with modularised training at our state-of-the-art technical academies in Aldridge and Telford.

COURSES AVAILABLE

Through this new programme, we are offering modularised delivery on the following courses:

- **Fundamentals of Electrical Fault Diagnosis and Rectification**
- **Fundamentals of Electrical Inspection, Testing and Commissioning**
- **Fundamentals of Electro-Pneumatic and Hydraulic Systems and Devices**
- **Intermediate Electrical Design Installation and Verification of Electrical Systems**
- **Advanced Electrical Design Installation and Verification of Electrical Systems**



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FUNDAMENTALS OF ELECTRICAL FAULT DIAGNOSIS AND RECTIFICATION

To enable learners to understand principles, practices and legislation associated with diagnosing and correcting electrical faults in electrical systems and equipment in buildings, structures and the environment in accordance with statutory and non-statutory regulations and requirements. Its content is the knowledge needed by a learner to underpin the application of skills used for fault diagnosis and correction in electrical systems and equipment in buildings, structures and the environment.

DELIVERY

- 7 day course over 3 ½ weeks (2 day per week) course.

PRE-REQUISITES:

- None

APPROACH:

This programme is a blend of classroom based and practical learning.

It uses a mixture of group discussions, pro-forma examples, information input sessions along with theory application to fully involve participants.

CERTIFICATION & ACCREDITATION:

- This course is In-Comm certified but not accredited
- The course can be accredited through EAL for an additional cost of £50.00

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FUNDAMENTALS OF ELECTRICAL FAULT DIAGNOSIS AND RECTIFICATION

FUNDED BY

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PROGRAMME CONTENT:

Understand:

- Health and safety requirements relevant to fault diagnosis.
- Importance of reporting and communication in fault diagnosis.
- Nature and characteristics of electrical faults.
- Fault diagnosis procedure.
- Procedures and techniques for correcting electrical faults.
- Perform Fault diagnosis.

FUNDING & COSTS:

- Learners must live within the West Midlands Combined Authority to be able to access the funding
- 100% Funded – If the delegate earns under £35,000 per annum, the course is fully funded
- 50% Funded – If the delegate earns over £35,000 per annum, the course is partially funded - Cost £649.60

ENROLMENT PROCESS:

- Learners must complete a Learning Training Application form and return it to the client manager prior to course commencement
- A link will be sent to learners to complete the enrolment process for the programme and be approved for the funding
- Employers will need to approve the digital quote link prior to the course commencing

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FUNDAMENTALS OF ELECTRICAL INSPECTION, TESTING AND COMMISSIONING

AIM

To enable learners to understand principles, practices and legislation for the initial verification of electrical installations with statutory and non-statutory regulations and requirements. Its content is the knowledge needed by a learner to underpin the application of skills for the inspection, testing, commissioning and certification of electrical installations.

DELIVERY

- 13 weeks (1 day per week) course.

PRE-REQUISITES:

- None

APPROACH:

This programme is a blend of classroom based and practical learning. It uses a mixture of group discussions, pro-forma examples, information input sessions along with theory application to fully involve participants.

CERTIFICATION & ACCREDITATION:

- This course is In-Comm certified but not accredited
- The course can be accredited through EAL for an additional cost of £50.00

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FUNDAMENTALS OF ELECTRICAL INSPECTION, TESTING AND COMMISSIONING

PROGRAMME CONTENT:

Understand:

- Completing the safe isolation of electrical circuits and installations.
- Initial verification of electrical installations.
- Completing the inspection of electrical installations prior to their being placed into service.
- Safe testing and commissioning of electrical installations.
- Testing before circuits are energised.
- Testing energised installations.
- Completion of electrical installation certificates and associated documentation.

Be able to:

- Confirm safety of system and equipment prior to completion of inspection, testing and commissioning.
- Carry out inspection of electrical installations prior to them being placed into service.
- Test electrical installations prior to them being placed into service.
- Commission electrical systems and equipment.

FUNDING & COSTS:

- Learners must live within the West Midlands Combined Authority to be able to access the funding
- 100% Funded – If the delegate earns under £35,000 per annum, the course is fully funded
- 50% Funded – If the delegate earns over £35,000 per annum, the course is partially funded - Cost £742.40

ENROLMENT PROCESS:

- Learners must complete a Learning Training Application form and return it to the client manager prior to course commencement
- A link will be sent to learners to complete the enrolment process for the programme and be approved for the funding
- Employers will need to approve the digital quote link prior to the course commencing

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FUNDAMENTALS OF ELECTRO-PNEUMATIC AND HYDRAULIC SYSTEMS AND DEVICES

FUNDED BY

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AIM

To enable the learner to develop knowledge of fluid power systems and components used in hydraulic and pneumatic systems. This course includes the basic principles of fluid flow, pressure, and gas laws, and the operation of sequencing, timing, and logic controls. The use of electro-hydraulic/pneumatic components including relay and PLC controlled circuits should also be discussed and investigated.

DELIVERY

- 10 week course – 1 day per week

PRE-REQUISITES:

- None

APPROACH:

This course is a blend of classroom based and practical learning.

It uses a mixture of group discussions, pro-forma examples, information input sessions along with theory application to fully involve participants.

CERTIFICATION & ACCREDITATION:

- This course is In-Comm certified but not accredited
- The course can be accredited through EAL for an additional cost of £50.00

Continues >

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TMG Training & Manufacturing Group

FUNDAMENTALS OF ELECTRO-PNEUMATIC AND HYDRAULIC SYSTEMS AND DEVICES

PROGRAMME CONTENT:

- Basic principles of hydraulic systems
- Principles of high pressure air production and pneumatic systems
- Operations of hydraulic and pneumatic components and their symbols.
- Knowledge of fluid flow and the operation of pressure components
- Principles of fluid logic components and the principles of design
- Understand the operation of hydraulic sequencing, and pneumatic timing and sequencing circuits
- Understand the operation of electro-hydraulic/pneumatic components and the principles of electro-hydraulic/pneumatic circuit design
- Understand the operation of PLC controlled hydraulic and pneumatic systems
- Understand the operation of proportional hydraulic valves and systems
- Design, safely construct and fault find on hydraulic and pneumatic circuits

FUNDING & COSTS:

- Learners must live within the West Midlands Combined Authority to be able to access the funding
- 100% Funded – If the delegate earns under £35,000 per annum, the course is fully funded
- 50% Funded – If the delegate earns over £35,000 per annum, the course is partially funded - Cost £742.40

ENROLMENT PROCESS:

- Learners must complete a Learning Training Application form and return it to the client manager prior to course commencement
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INTERMEDIATE ELECTRICAL DESIGN INSTALLATION AND VERIFICATION OF ELECTRICAL SYSTEMS

FUNDED BY

West Midlands Combined Authority

AIM

To enable learners to understand the application of BS 7671:2018+A4:2026 Requirements for Electrical Installations, IET Wiring Regulations Eighteenth Edition. It provides a facility for individuals working in the electrotechnical sector to develop and/or enhance their knowledge of the requirements for electrical installations.

DELIVERY

- 12 weeks (1 day per week) course.

PRE-REQUISITES:

- Electrical knowledge required but without prior BS7671 qualification (16th/17th /18th Edition)

APPROACH:

This programme is a blend of classroom based and practical learning.

It uses a mixture of group discussions, pro-forma examples, information input sessions along with theory application to fully involve participants.

CERTIFICATION & ACCREDITATION:

- This course is In-Comm certified but not accredited
- The course can be accredited through EAL for an additional cost of £50.00

Continues >

INTERMEDIATE ELECTRICAL DESIGN INSTALLATION AND VERIFICATION OF ELECTRICAL SYSTEMS

PROGRAMME CONTENT:

Understand:

- Scope, object and fundamental principles of BS 7671
- Definitions used within BS 7671
- How to assess the general characteristics of electrical installations
- Requirements of protection for safety for electrical installations
- Understand the requirements of
- Selection and erection of equipment for electrical installations
- Inspection and testing of electrical installations
- Special installations or locations as identified in BS 7671
- Understand the information contained within Part 8 and the appendices of BS 7671

FUNDING & COSTS:

- Learners must live within the West Midlands Combined Authority to be able to access the funding
- 100% Funded – If the delegate earns under £35,000 per annum, the course is fully funded
- 50% Funded – If the delegate earns over £35,000 per annum, the course is partially funded - Cost £649.60

ENROLMENT PROCESS:

- Learners must complete a Learning Training Application form and return it to the client manager prior to course commencement
- A link will be sent to learners to complete the enrolment process for the programme and be approved for the funding
- Employers will need to approve the digital quote link prior to the course commencing

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ADVANCED ELECTRICAL DESIGN INSTALLATION AND VERIFICATION OF ELECTRICAL SYSTEMS

FUNDED BY

West Midlands Combined Authority

AIM

To assist learners in understanding the 18th Edition wiring regulations, introducing them to a working knowledge along with a brief overview of the Electricity at Work Regulations covering statutory duties.

DELIVERY

- 4 day course.

APPROACH:

This course is classroom based.

PRE-REQUISITES:

- Good electrical knowledge and experience.

CERTIFICATION & ACCREDITATION:

- This course is In-Comm certified but not accredited
- The course can be accredited through EAL for an additional cost of £50.00

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ADVANCED ELECTRICAL DESIGN INSTALLATION AND VERIFICATION OF ELECTRICAL SYSTEMS

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PROGRAMME CONTENT:

- How to use the Wiring Regulations
- Layout of New Regulations
- Definitions
- Appendices
- Key Changes Since the previous Edition or amendment
- Assessment

FUNDING & COSTS:

- Learners must live within the West Midlands Combined Authority to be able to access the funding
- 100% Funded – If the delegate earns under £35,000 per annum, the course is fully funded
- 50% Funded – If the delegate earns over £35,000 per annum, the course is partially funded - Cost £614.60
- £125.00 cost for workbook not included within funding

ENROLMENT PROCESS:

- Learners must complete a Learning Training Application form and return it to the client manager prior to course commencement
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