MAINTENANCE

MTC01 MAINTENANCE PLANNING
This unit is directed towards developing Learner knowledge of the requirements for maintenance planning.

Juggling the maintenance demands of a workplace with limited resources and the needs of various sections on site is no easy task.

A maintenance plan must consider:

- People: both maintenance and production
- Priorities: using the past to plan for the present and future and;
- Production: the whole thrust of a well-run Maintenance Department is to assist the Production Department in getting product to the customer

All this must be done within a framework of safety, quality, productivity, cost and acceptable time.

MTC02 CONDITION MONITORING
This unit is designed to provide a broad based understanding of condition monitoring techniques, the development and implementation of condition monitoring systems and the analysis of data and reporting.

Condition monitoring provides maintenance teams with prime tools and techniques to implement continuous improvement in the maintenance of all plant and equipment.
Limited resources, sophisticated plant and equipment, higher productivity requirements have seen the end of 'run-to-breakdown' and 'time-based preventive maintenance'.

The instinct of many maintenance professionals for many years was "if it ain't broke don't fix it!" Condition monitoring takes this concept and recognises that each piece of plant or equipment is unique and should be maintained as such. For example, not all transmissions need exchanging at a particular time estimated by the manufacturer - some may need a repair earlier, some may operate twice as long.

Condition monitoring is designed to spot trends and predict failures and like any system is as good as the method, equipment and particularly the people operating it.

MTC03 PLANT & EQUIPMENT MAINTENANCE
Plant and equipment are essential to any viable operation. Efficient and effective maintenance, servicing and repairs, together with continuously improved production and maintenance methods are the key to high productivity and thus increased profitability and job security.

MTC04 TECHNICAL SUPERVISION
This unit is directed towards developing learner knowledge of the requirements for health and safety standards and regulations to be applied to tasks; the need for technical supervisors / team leaders to maintain and improve their technical knowledge and skills; and to applying problem-solving decision making processes to technical situations in the workplace.
All of these are closely linked to a continuous improvement philosophy, which seeks to constantly improve individuals, work teams and consequently raise the productivity and customer service levels.

None of the parts in this unit should be seen as separate issues. They all have a direct impact on the competency and effectiveness of the modern technical supervisor / team leader.

STATEMENT OF COMPLETION IN MAINTENANCE

A Statement of Completion requires either:

(a) The completion of units to the equivalent of more than 200 nominal hours followed by successful demonstration of competency in a minimum of six units; or
(b) Successful demonstration of competency in a minimum of six units; or
(c) A combination of (a) and (b).

The table indicates the range of units in the Maintenance menu, their codes and nominal hours.

Unit Title	Code	Hours
Maintenance Planning	MTC01	40
Condition Monitoring	MTC02	54
Plant & Equipment Maintenance	MTC03	40
Technical Supervision	MTC04	16
Materials, Services & Stores	ADM02	24
Schedule Preparation	PS05	24
Safe Tools & Equipment	HSW06	18
Safe Working	HSW07	18