



Unit 4: Applied Commercial and Quality Principles in Engineering

This is an internally assessed unit where you are required to complete 3 assignments.

Learning Aim A: Examine business functions and trade considerations that help engineering organisations thrive.

As part of this assignment you will look at:

- A1 Business functions and key activities
- A2 Trade considerations
- A3 Competitive advantage

Learning aim B: Explore activity-based costing as a method to control costs and to determine if an

engineering product or service is profitable.

As part of this assignment you will look at:

- B1 Reasons for cost control and types of cost
- B2 Activity-based costing method

Learning aim C: Explore how engineering organisations use quality systems and value management to create value

As part of this assignment you will look at:

- C1 Quality systems
- C2 The principles and processes of value management



TASKS

With respect to the current circumstances as a result of the Coronavirus (COVID-19) pandemic many businesses will have faced numerous struggles to survive. Investigate a range of businesses and look at what they have done to help themselves through these difficult times.



Some engineering companies have worked with other engineering companies and the government to adapt the manufacturing plants to manufacture essential items such as PPE and ventilators to support the NHS/Government. Research at least one business that has done this and explain how they have gone about making the changes and they have achieved it.

