

## **APQP & PPAP**

### **Introduction**

#### **Programme Overview**

Advanced Product Quality Planning (APQP) and Production Part Approval Process (PPAP) are essential in guaranteeing product quality, reliability, and compliance, playing a vital role in ensuring seamless product launches and maintaining high-quality standards in the manufacturing sector. APQP is a structured framework aimed at ensuring rigorous planning, risk management, and adherence to quality standards throughout the product development lifecycle. It plays a pivotal role in identifying potential issues early, mitigating risks, and fostering a proactive approach to product design and manufacturing. The PPAP process within APQP verifies that production processes meet these stringent standards by validating components, ensuring they align with specified requirements, and validating the readiness for mass production.

This programme provides awareness of the 5 stages of APQP including PPAP and an introduction to the core quality tools used at each stage. The course is a great introduction to the phases of APQP for any team member involved in the process, or for programme managers and leaders a good opportunity to review or develop the company's approach to implementing APQP and the associated quality tools.

#### **Audience**

This training is suitable for anyone requiring an introduction to APQP and PPAP including Managers, Programme Leaders and members of the cross functional teams involved in the APQP process.

The programme can serve as a foundation for participants to comprehend, apply, and integrate APQP and PPAP methodologies within their organizational contexts effectively.

No pre-requisites are required to attend the course.

#### **Learning Outcomes**

- Understand the core principles and essential concepts behind Advanced Product Quality Planning (APQP) and Production Part Approval Process (PPAP).
- Understand the integration of APQP/PPAP with core quality tools like QFD, FMEA, and Control Plans.
- Learn to apply APQP/PPAP methodologies in new product development, aligning practices with industry standards.
- Develop skills to conduct gap analyses in current practices and devise action plans to bridge identified gaps and enhance compliance.
- Recognize the specific roles and contributions within an organization concerning APQP and PPAP adherence.

#### **In Company Training**

This programme is delivered in-company and can be tailored where required to align with industry or in-company standards and/or tool templates.

The programme is 1 day and can be delivered on-site or virtually.

The sessions will be bespoke, lively and highly practical, delivering a memorable learning experience for the delegates. For in-company sessions we encourage working on your own live examples in the classroom exercises.



We will discuss your objectives prior to the delivery, and help you to plan the most effective training and support to your team of delegates.

For international programmes we can start at any time. For example the format for virtual delivery can be a two x half-day sessions spread over two days.

## **Content**

### **Introduction to APQP and PPAP**

- Overview of APQP and PPAP methodologies
- Links to industry standards
- Key concepts, terminology, and core principles

### **APQP and PPAP Fundamentals**

- Exploring the 5 phases of APQP and their significance
- Understanding the key steps and components of PPAP

### **Linking APQP/PPAP to Quality Tools**

- Integration of APQP/PPAP with QFD, FMEA, and other essential quality tools
- Application and relevance of these tools in APQP/PPAP processes

### **Application in New Product Development**

- Practical application of APQP/PPAP methodologies in new product launches
- Aligning processes with industry standards and regulatory requirements

### **Gap Analysis and Action Planning**

- Conducting gap analyses between current practices and APQP/PPAP standards
- Developing action plans to bridge identified gaps and enhance compliance

### **Role-based Implementation and Case Studies**

- Exploring specific roles and responsibilities in APQP/PPAP implementation
- Engaging in practical case studies to apply learned concepts to real-world scenarios