How to get started with APQP4Wind

Last edit: September 2024

What are the benefits and outcome

- You will know how APQP4Wind is structured

- You will understand the interfaces and workstream of APQP4Wind

- You will know how APQP4Wind supports you in your daily work to manage a project

- You will understand how to roll out APQP4Wind in your organization to ensure customer satisfaction

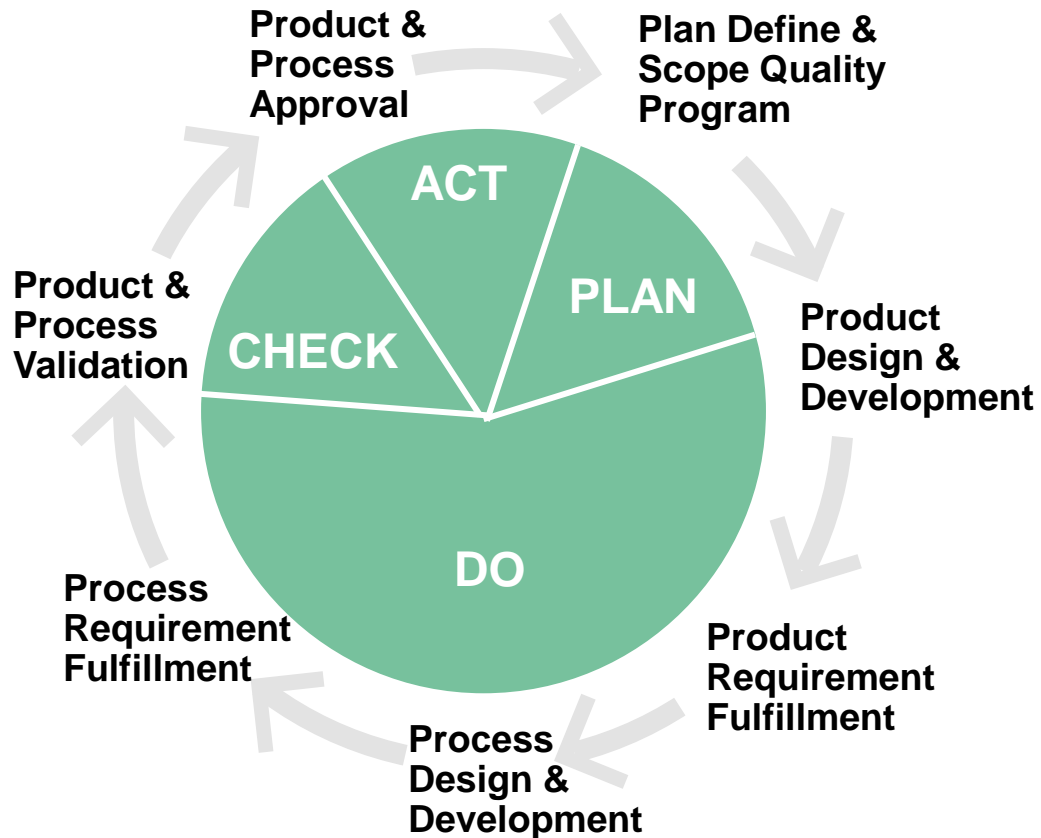- You will know what steps are necessary to set up an APQ4Wind implementation

APQP4Wind®

Quality Assurance Methodology for the Global Wind Industry

APQP4Wind is the common frame of reference to be used in the industry to strengthen the cooperation between Customers and Suppliers and to ensure that parties on all levels communicate at eye level when it comes to quality assurance processes

APQP4Wind aims to make the process of product quality assurance demands (APQP4Wind) as well as the product release process (PPAP4Wind) as clear as possible and have a vision to:

- align and mature the global wind industry value chain by lowering the cost of poor quality

- be the quality assurance methodology used by the entire global wind industry value chain from design to customer

APQP④Wind®

Advanced Product Quality Planning

Product & Process Approval

Plan Define & Scope Quality Program

ACT

PLAN

CHECK

Product & Process Validation

Product Design & Development

DO

Process Requirement Fulfillment

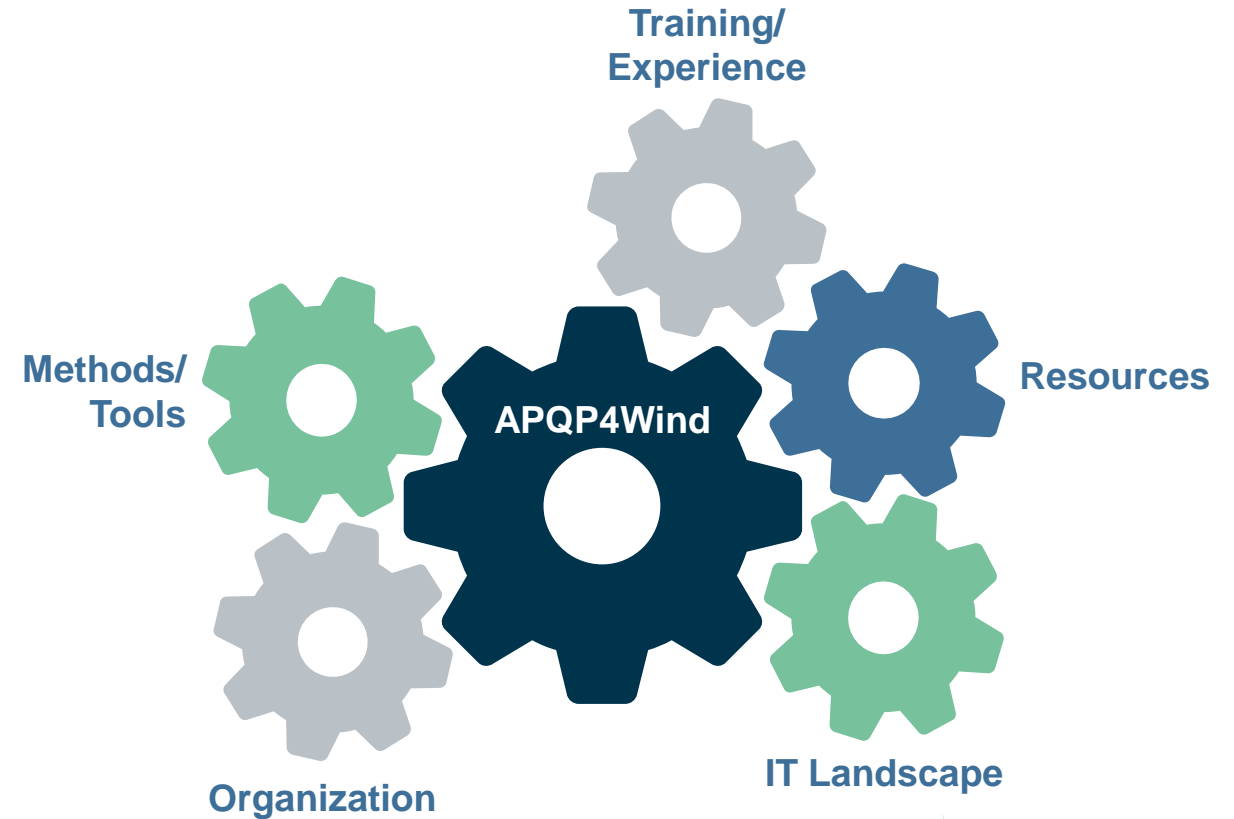Product Requirement Fulfillment

Process Design & Development

APQP4Wind is…

- A **workstream** through all relevant departments for developing and manufacturing a product

- A **method** to organize interfaces between responsible stakeholders in the organization

- A **structure** to achieve effectiveness

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What do you need?

- A method to connect interfaces

- Methods/Tools to organize data

- Training/Experience to support efficient workflow

- Resources to run the methods and tools

- An IT landscape to exchange data

- An organization to identify interfaces

Training/
Experience

Methods/
Tools

APQP4Wind

Resources

Organization

IT Landscape

APQP4Wind®

Training/
Experience

Resources

Methods/
Tools

APQP4Wind

Organization

IT Landscape

Training/Experience

The APQP4Wind Elements

Manual:
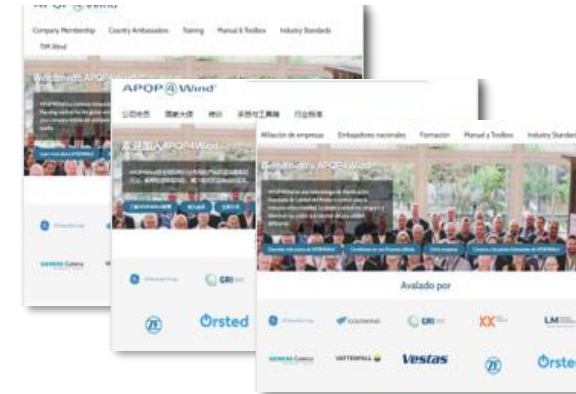
English, English/Chinese &

English/Spanish

Tools:

Workbook, Analysis Tool &

Assessment Tool

Website:

English, Chinese & Spanish

Training Providers:

Bureau Veritas Certification,

DNV, TÜV Rheinland Greater

China & SGS

The APQP4Wind website www.apqp4wind.org will support you with knowledge and information

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Resources

- An additional source of information is the website of the Automotive Industry Action Group: www.aiag.org

- Here, it is recommended to order the 'Blue Books'

- Special fields of APQP are addressed under headlines such as APQP, FMEA, MSA, SPC, PPAP

Training/
Experience

Methods/
Tools

Resources

APQP4Wind

Organization

IT Landscape
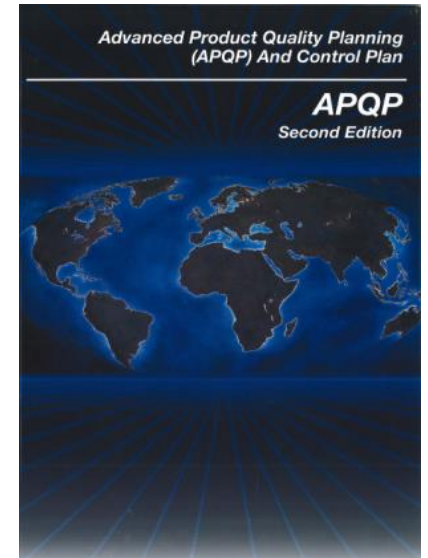
Resources

Skilled employees from different departments will be needed for a successful APQP4Wind workflow

The departments for:

- Sales

- Engineering

- Production

- Procurement

- Quality

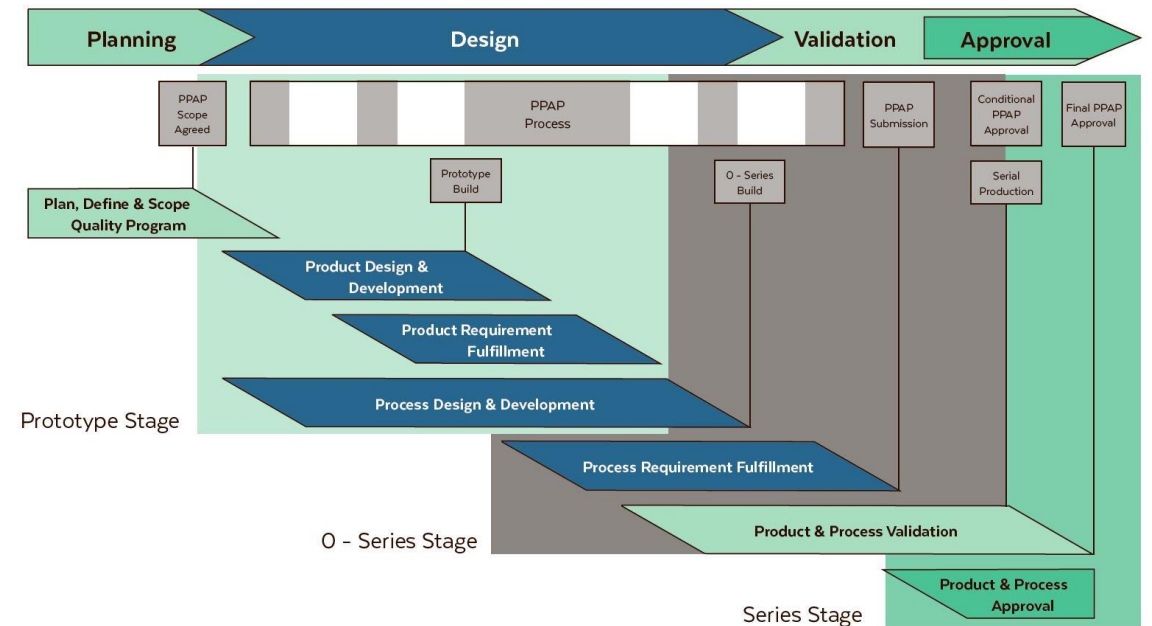should have fundamental knowledge of APQP4Wind

APQP4Wind®

IT Landscape

- APQP4Wind can easily be merged into an already installed Integrated Management System

- If not available, a file structure will help a lot to ensure an efficient workflow. Together with several applications from different business units, the APQP4Wind process should be lean

- Pull and push information systems should be considered and 'stand alone solutions' should be connected to the internet

- Basic applications are MS Office or adequate, CAD -, CAQ - and CAM solutions and ERP (Enterprise Resources Planning) software

APQP 4 Wind®

Methods/
Tools

Training/
Experience

Resources

APQP4Wind

Organization

IT Landscape

Organization

- Certification according to DIN ISO 9001:2015 and an Integrated Management System (IMS) provide the essential foundation for a successfully operating APQP4Wind environment.

APQP4Wind Framework:

APQP 4 Wind®

How to get started with APQP4Wind

The plan

Training/Experience

Methods/Tools

APQP4Wind

Resources

Organization

IT Landscape

APQP 4 Wind®

Roll Out Plan

It is up to the maturity of a company regarding the already installed Quality Management System. A Roll Out Plan can look like the following overview:

Plan:	Action:
Step 1: Gap analysis	• Start a gap analysis to identify lack of knowledge and sources
Step 2: Training of involved employees and stakeholders (Awareness and Specialist training)	• Selection of Training Providers and execution of training plan
Step 3: Introduction to organization	• Along with promotion activities and awareness events, the new APQP process needs to be introduced to the organization
Step 4: Improving, changing or implementing needed methods and tools, restructure organization	• According to the gap analysis, all weak resources need to be improved, changed or just created
Step 5: Pilot phase: Training loop and 'real data pilot'	• Run with a Project Quality Plan. The new process shall be tested for efficiency (i.e., pilot run)
Step 6: Lessons learned and action plan	• A final 'improvement plan' can be created and followed
Step 7: Kick off – APQP as a solid process	• Complete implementation into the Quality Management System
Step 8: Review and PDCA, Internal Audit	• Follow continuous improvement process, perform internal Audit

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APQP4Wind Secretariat

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in APQP4Wind

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