

Revolutionizing Wind Farm Technology with Advanced Quality Planning: **APQP4Wind**

Transforming clean energy through
innovative quality planning

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APQP4Wind Board Member



APQP4Wind®

Agenda

The core of APQP4Wind

APQP4Wind – the method

One common language in the wind industry

Risk management

Quality data management

A method and a mindset

Picturing paradise



Clean energy by wind power



The core of APQP4Wind

Vision

To **align and mature** the global wind industry supply chain by lowering the cost of poor quality.

To be the **quality assurance methodology** used by the entire global wind industry supply chain from design to customer.

Mission

To provide standards, tools and methods for the global wind industry, based on **commonly accepted and available APQP principles and guidelines**.

To enable **collaboration** within the wind industry and to provide access to support, project management, training and the tools needed so **stakeholders** can continually **improve the quality environment** in which they operate **and minimize risk**.

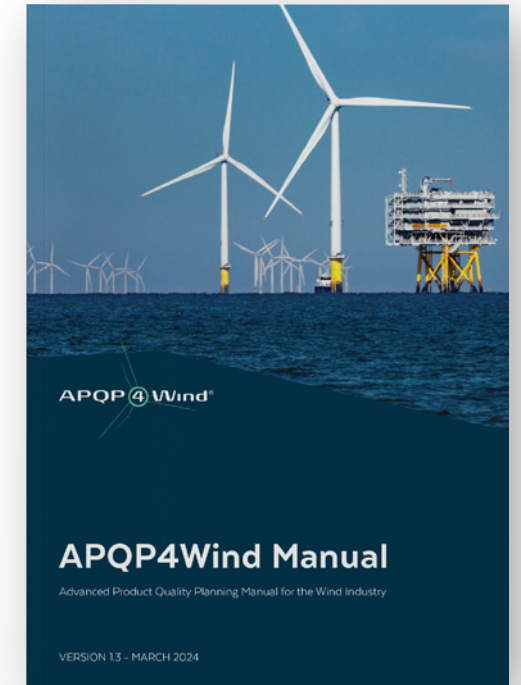
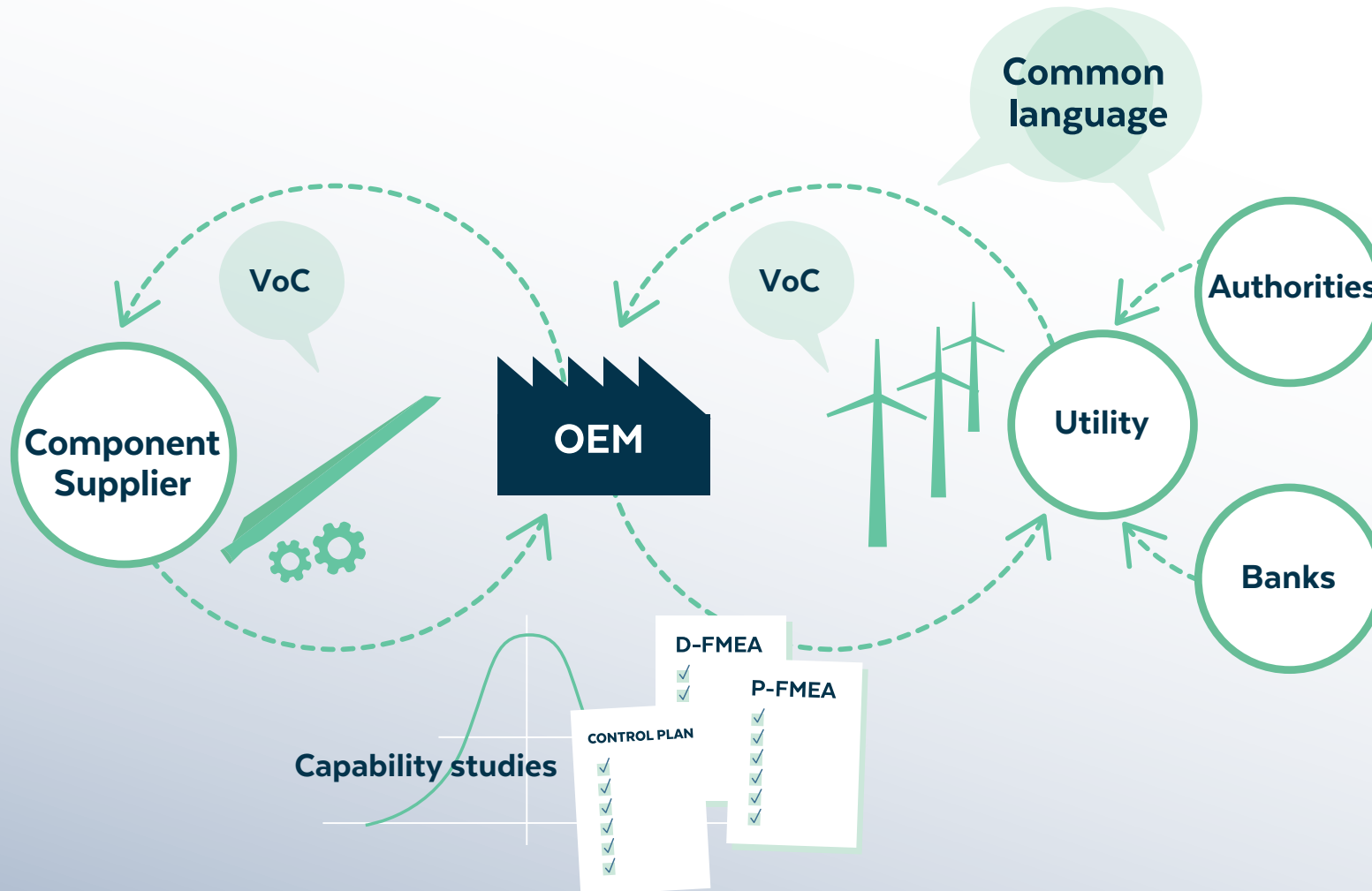
150+
Company
Members

7400+
course
participants

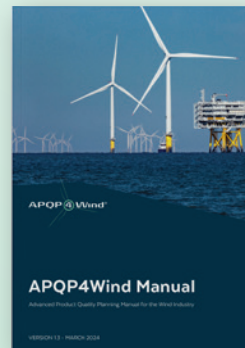
Training in
50
countries



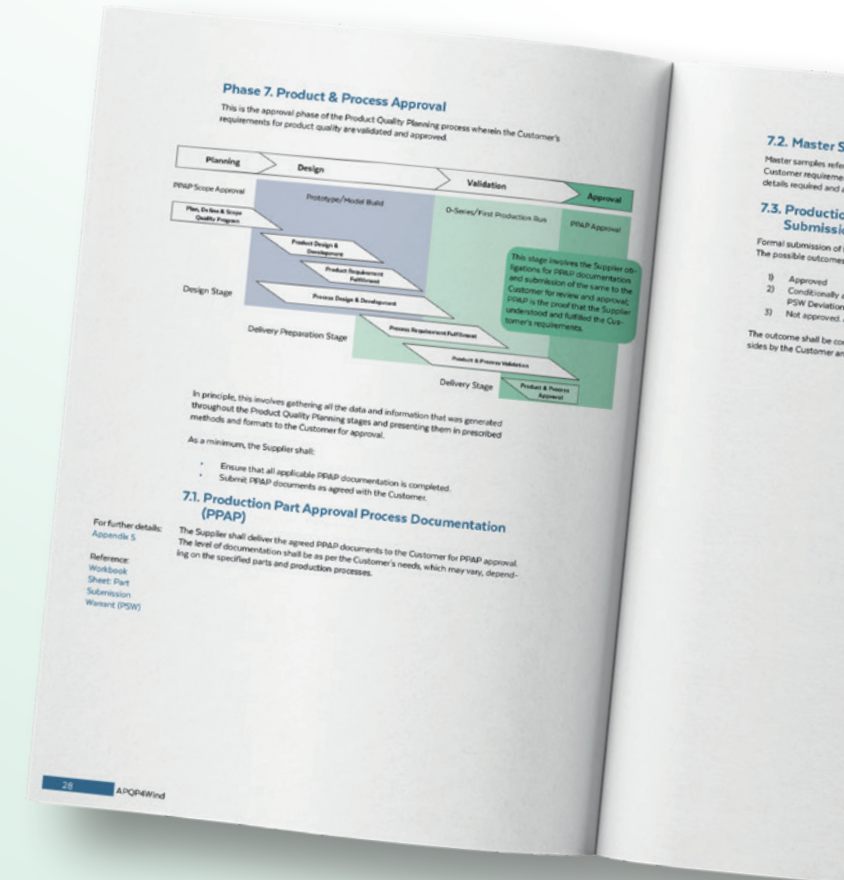
APQP4Wind – the method



One common language in the wind industry

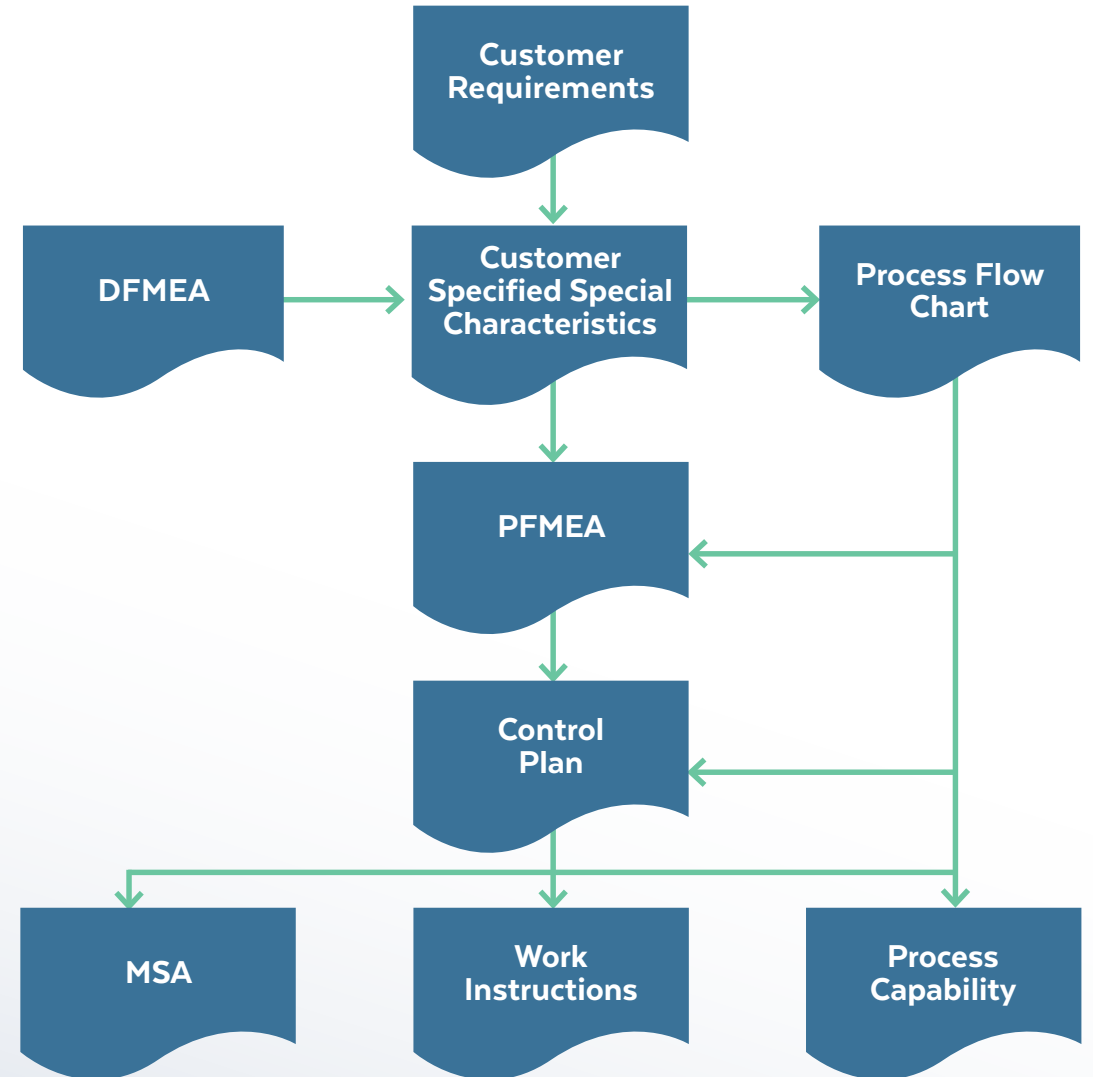
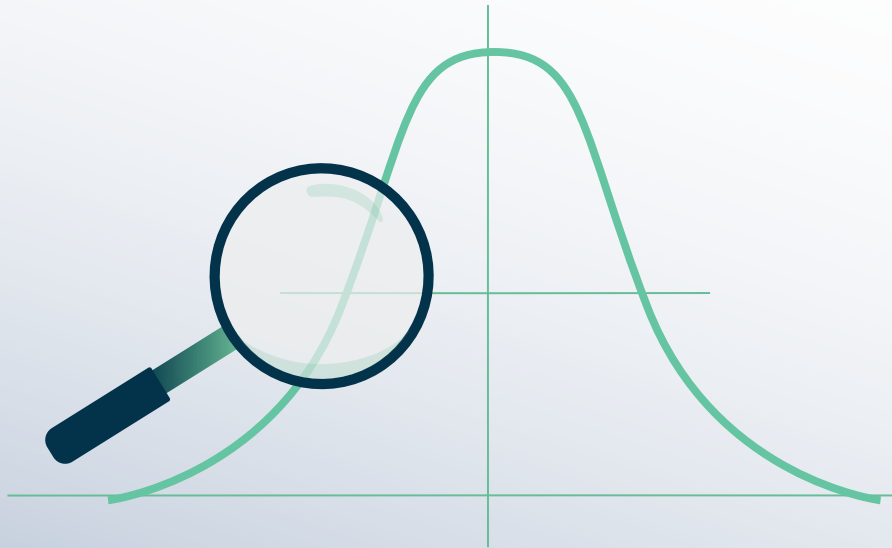


Common language



Risk management

Collaboration between value chain stakeholders



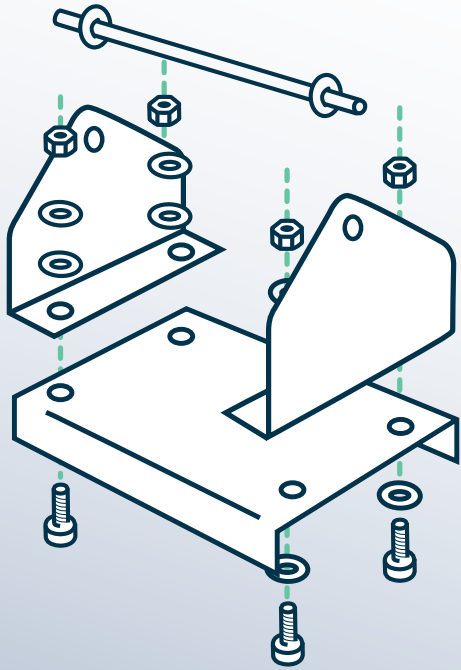
Mitigating product failures



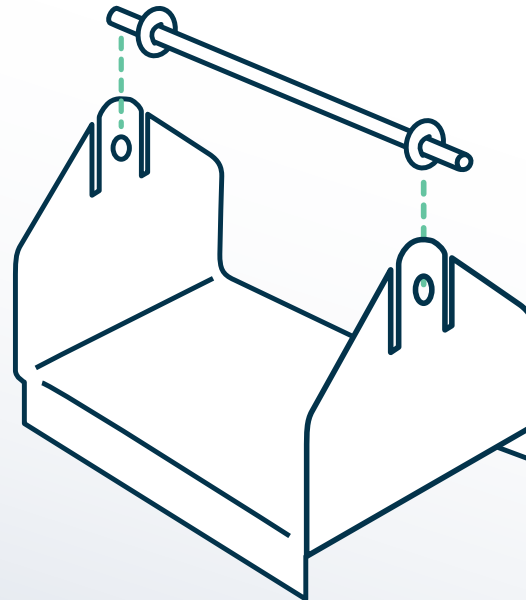
APQP 4 Wind®

Risk management

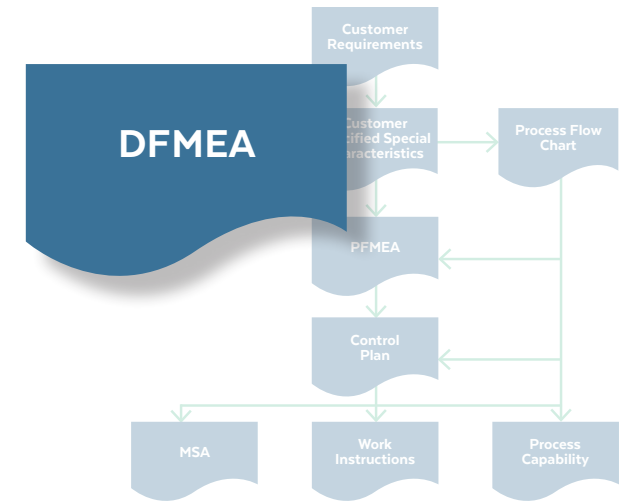
Reducing product cost



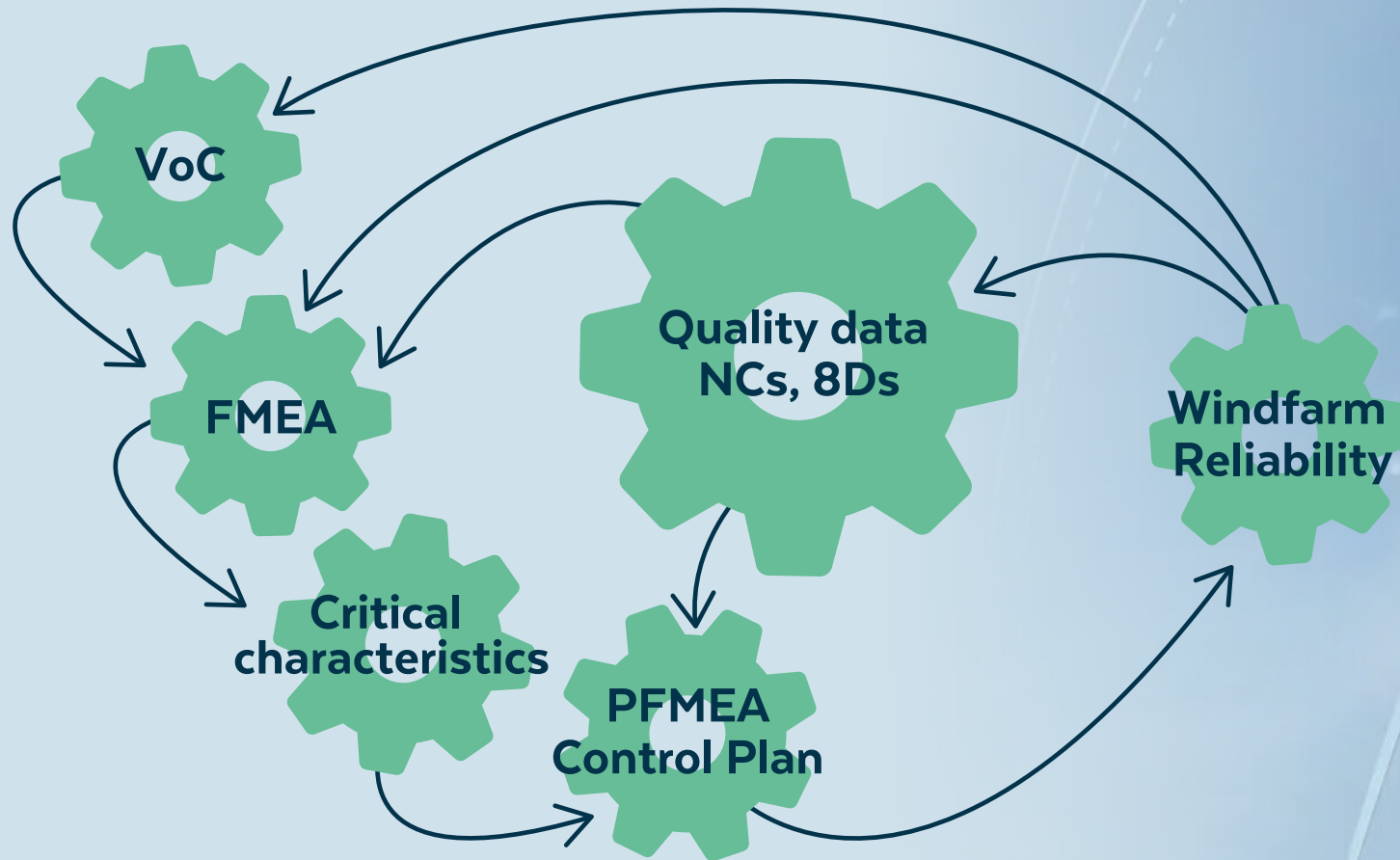
- Original design
- 24 parts
- Different parts
- Several manufacturing and assembly processes



- DFM Redesign
- 2 parts
- 2 manufacturing processes
- 1 assembly step

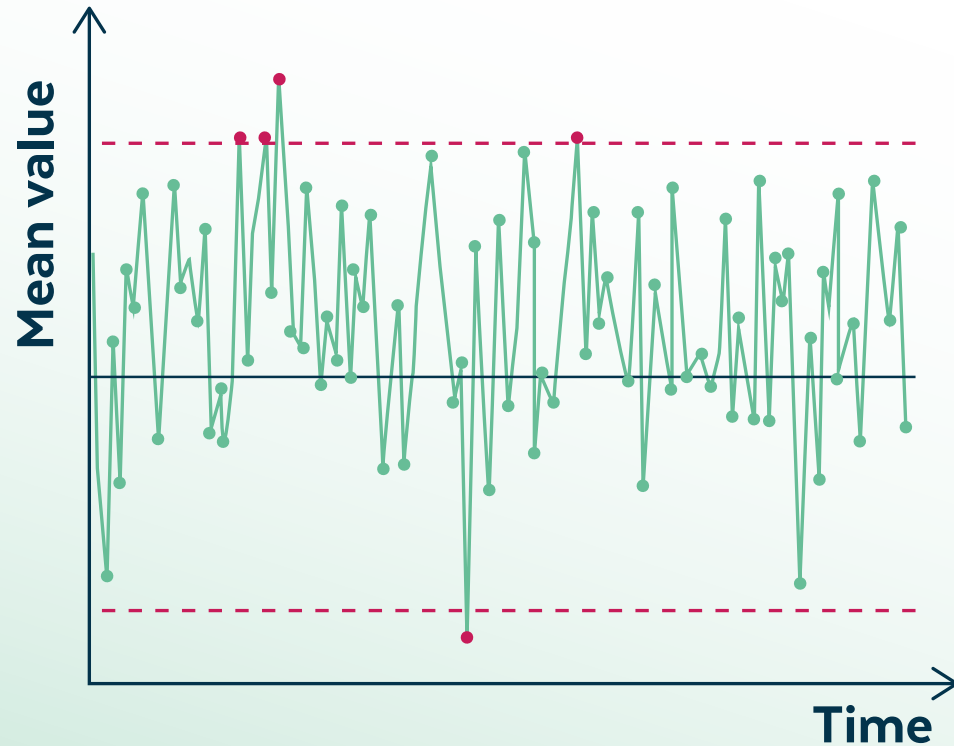
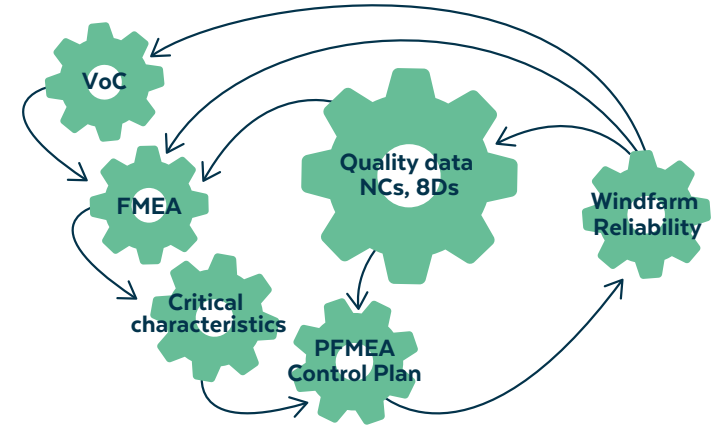


Quality data management



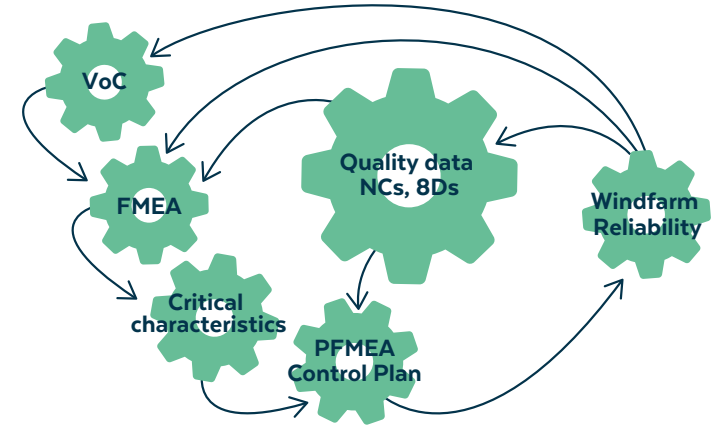
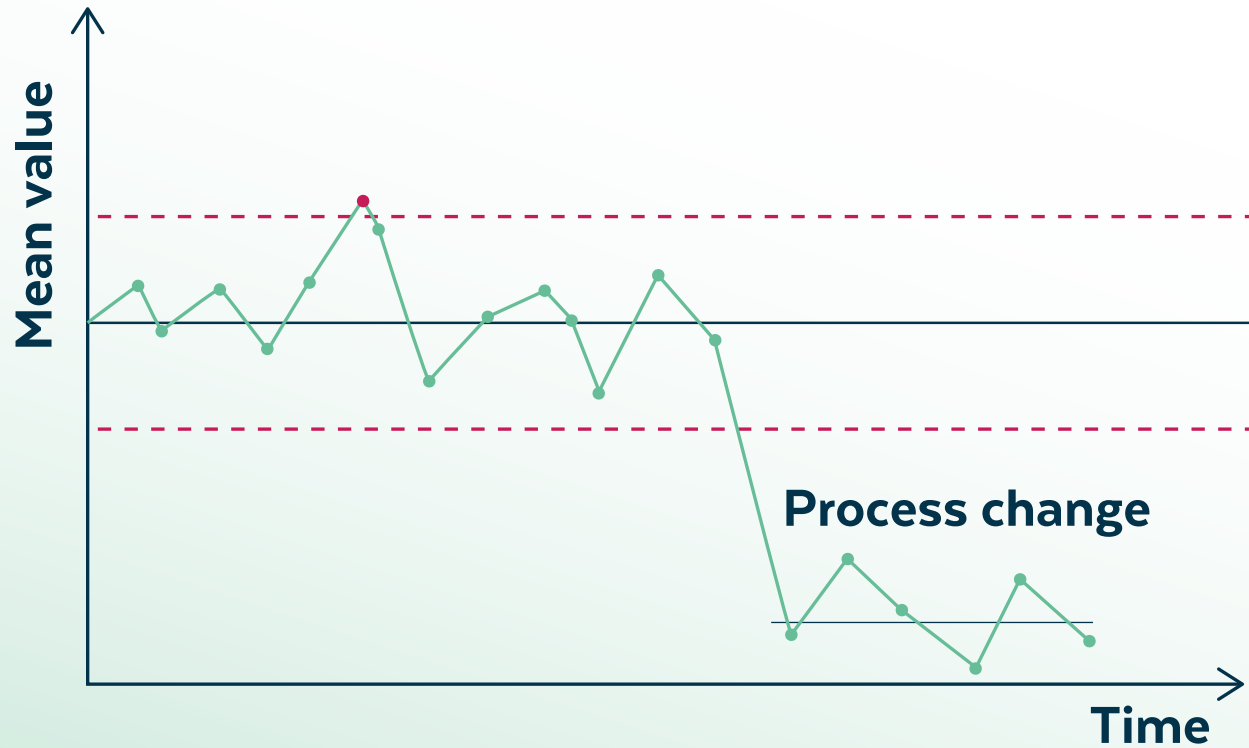
Quality data management

Predicting reliability



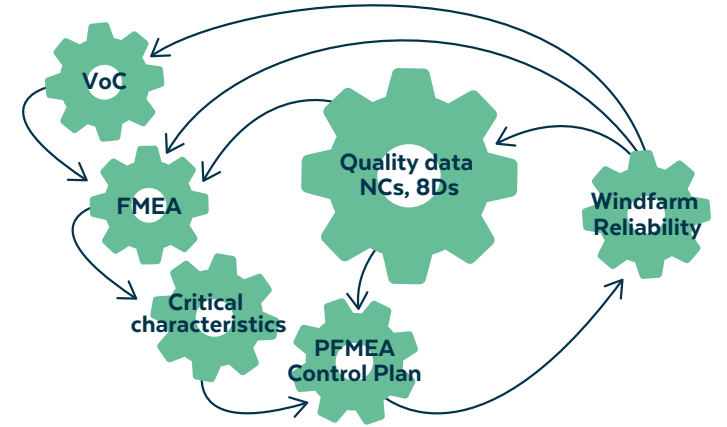
Quality data management

Optimizing manufacturing system



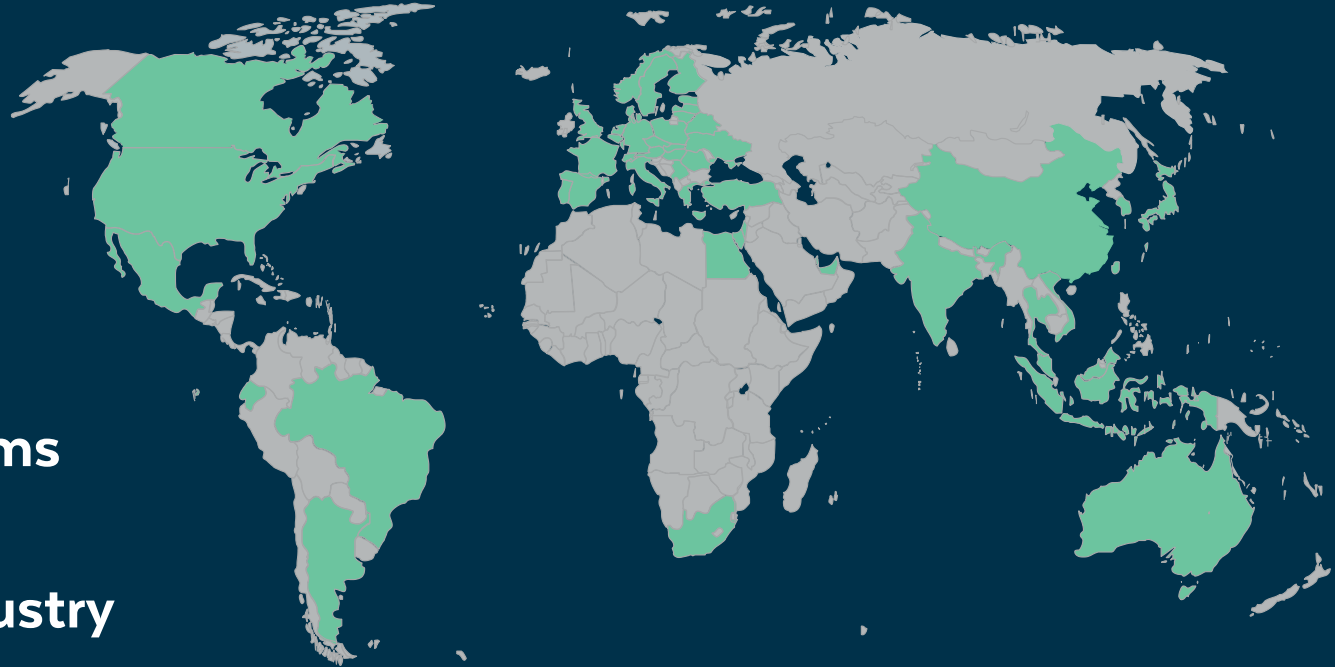
Quality data management

Validating process outcomes



A method and a mindset

- Clear knowledge of requirements
- Early engagement & collaboration of stakeholders
- Reduced time to market with better financial performance
- Increased reliability of wind energy systems through timely risk identification
- Standards, tools & methods for wind industry



The revolution is gaining pace: More than 7,400 individuals from over 1,600 companies across 50 countries have completed APQP4Wind Training

Thank you for listening

For more information
please visit apqp4wind.org



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APQP4Wind Board of Directors:



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Goldwind



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Industries



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WIND
POWER
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