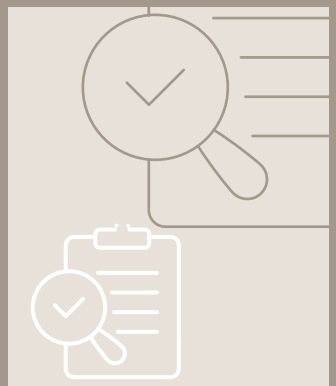
What is Factory Production Control?

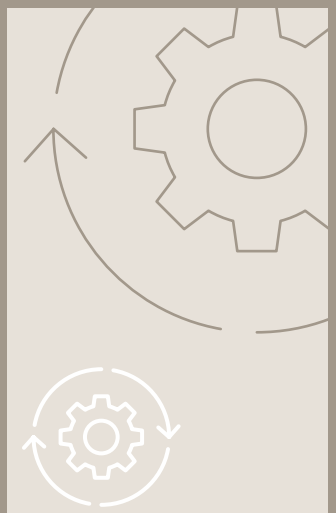
Explainer: Factory Production Control (FPC)

FPC is the documented, continuous and internal production control in a manufacturing facility, with regard to certain parameters or quality aspects. FPC reflects the specificities of MMC Systems and manufacturing processes, aiming for constancy of performance and the continuous fulfilment of the system design and specification requirements. See also EU/2024/3110.

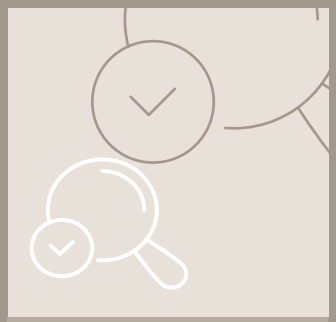
Factory Production Control: typical activities



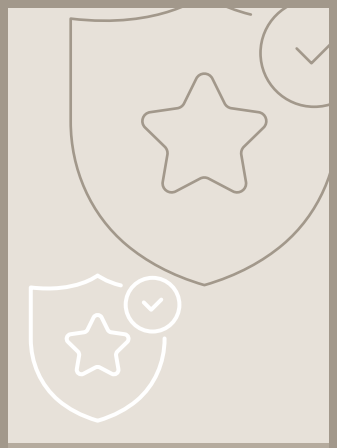
Compliance with standards:
Ensuring the product/system meets the design specification, industry specific regulations and/or certifications. For example: CE marking or harmonised standards.



Process Control:
Monitoring and controlling the production processes to maintain efficiency, consistency and quality outputs.

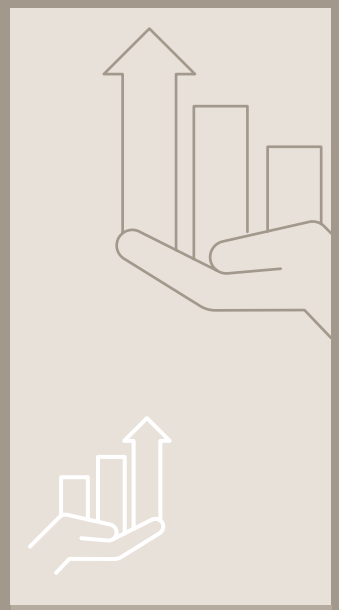


Inspection and testing:
Regular checks at each stage of the production process from incoming raw materials to in-process elements and finished products/systems to ensure that they conform to the specification, design and standards.



Quality Control:
Ensuring that products/system meet specified quality standards through regular inspections and testing throughout the manufacturing process and through to delivery and install on site. Ensuring non-conformances are identified and addressed.

Documentation and records:
Maintaining detailed records of production processes, materials used, quality checks, test results and any non-conforming products to identify and address issues and provide traceability through the production process to site installation.



Improvement:
Implementing corrective actions and improvements based on data collected and analysed from production and quality control records.

Why is Factory Production Control important? It is a vital component of modern manufacturing practices and it helps manufacturers maintain high standards and improve their production processes over time.