

REACH THE

NEXT LEVEL IN AM

TRAINING
SOFTWARE
CONSULTATION

Siemens NX – Your end-to-end additive manufacturing solution.

Benefit from the data consistency offered by the leading software solution Siemens NX.

Expert
Partner

Digital Industries Software

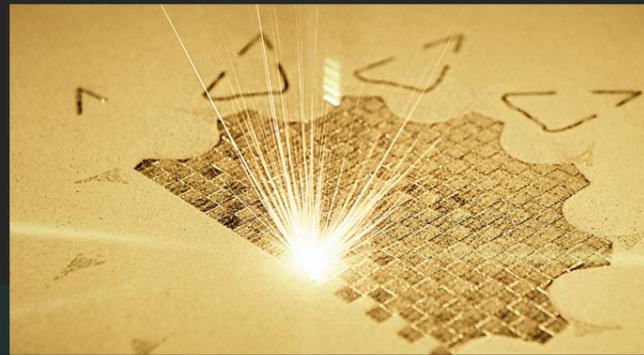
SIEMENS

SIEMENS NX – Additive manufacturing modules

Siemens NX offers data consistency and covers the entire process chain, making it the ideal choice.

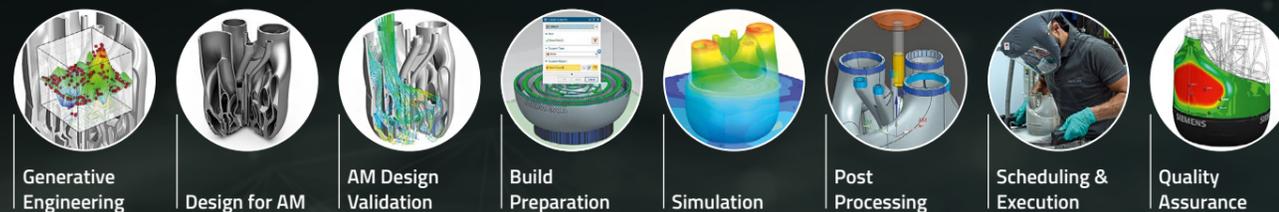
Powder bed process

The "Fixed Plane Advanced" module can be used for manufacturing on fixed planes (e.g. powder bed, jetting). It combines fundamental CAD functions with add-ons for additive manufacturing.



- Orientation in the assembly space
- Support structure generation
- Data slicing for the AM machine
- Solid modelling
- 3D nesting
- Fundamental free-form modelling
- Assembly modelling
- Facet processing

Siemens NX covers the **entire process chain** (CAD, CAE and CAM):



Pictures: Siemens AG

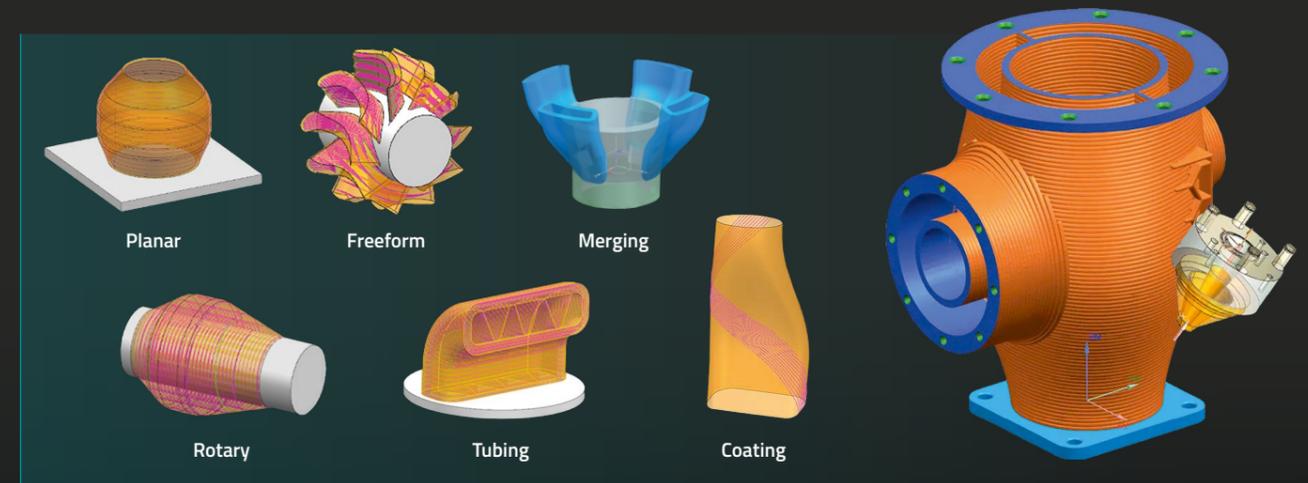
Application processes (LMD, DED, etc.)

Siemens NX is the ideal software for all industrial multi-axis technologies.



Pictures: Siemens AG

The Multi-Axis basic module covers AM-specific multi-axis CAM operations that can be both axis and robot controlled.



Pictures: Siemens AG

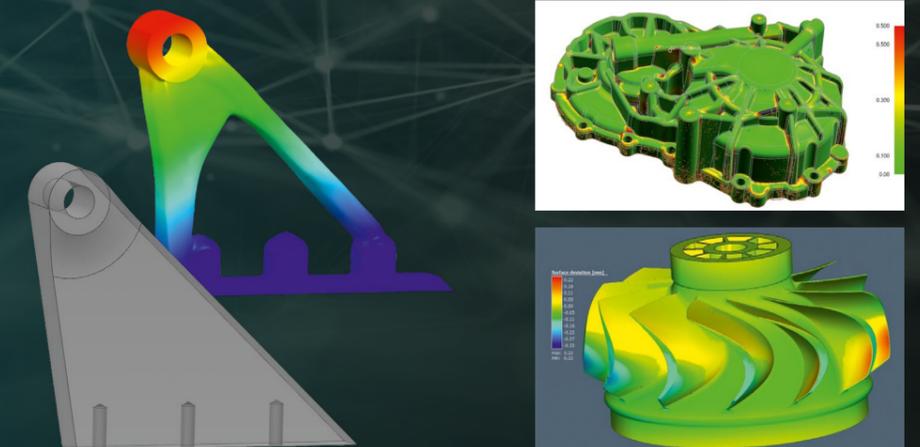
Siemens NX also covers the **complete process chain** for application technologies:



Pictures: Siemens AG

Other **CAD/CAE modules** relevant for additive manufacturing include:

- Reverse Engineering
- Topology Optimisation
- Implicit Modelling
- Lattice Structures
- Process Simulation

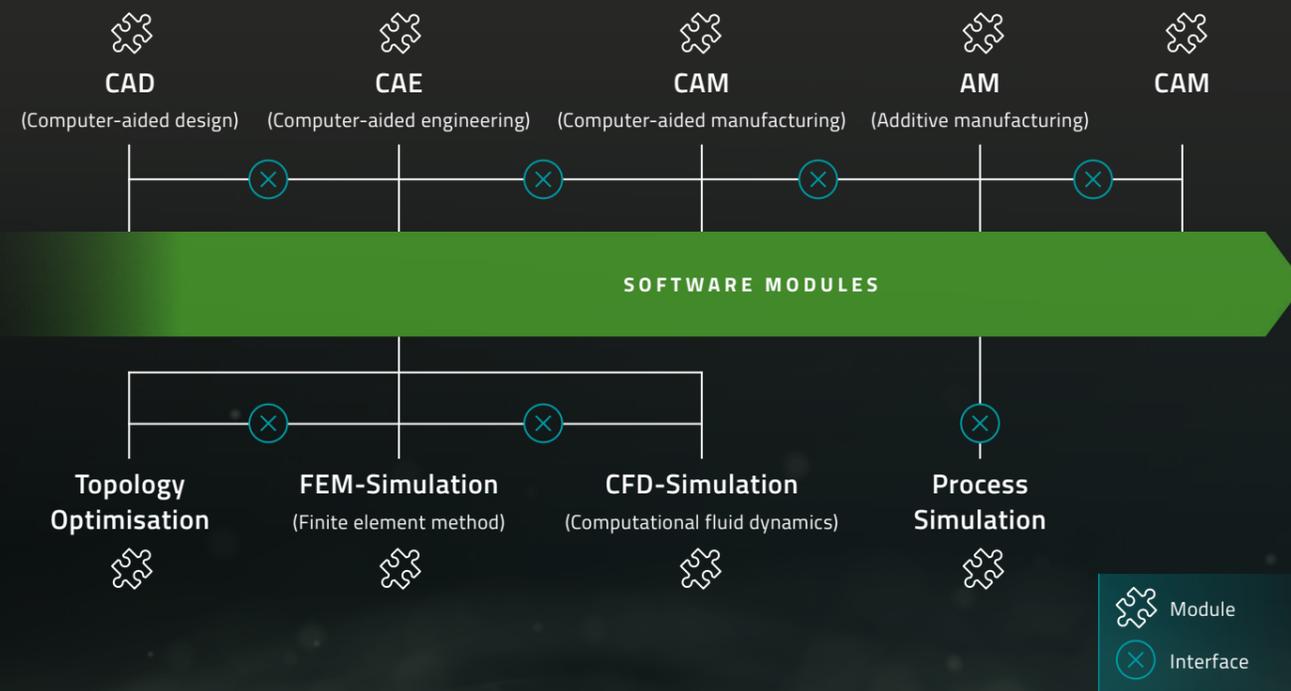


Pictures: Siemens AG

Siemens NX – Data consistency for your digital process chain

Data consistency with no interfaces

The integration of all CAD, CAE, CAM, and AM modules into one piece of software means that users only need to work in one interface along the entire digital process chain. This allows users to avoid conversion errors and enjoy a seamless workflow. Moreover, any changes that need to be made at the end of the process can be implemented quickly and efficiently without the laborious task of changing systems.



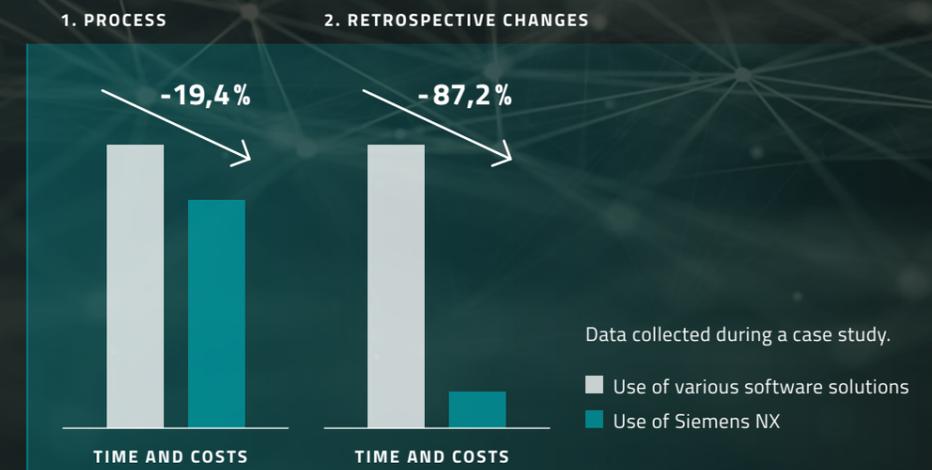
Numerous interfaces with different software solutions along the process chain lead to:



Benefits of Siemens NX:



Siemens NX solves the problem of having multiple interfaces, while making significant time and cost savings. Using this consistent software solution results in savings of up to 20% or more across the entire manufacturing process. Retrospective changes to the product development process can even reduce the additional time and costs involved by up to 90%.



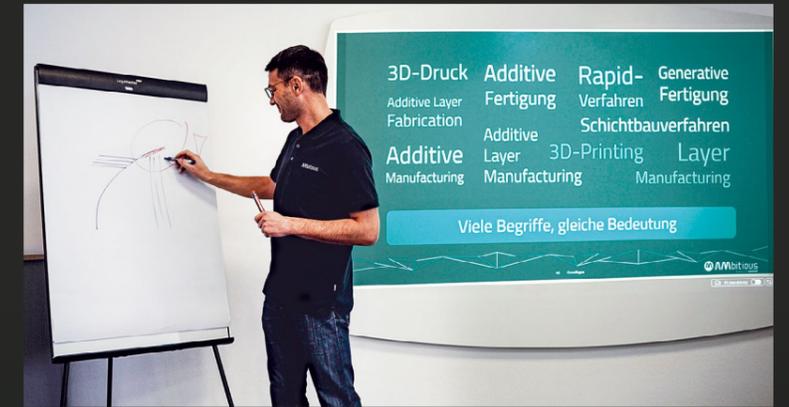
AMbitious – Practical advice and support for use in practice

As a **Siemens NX** AM Expert Partner and Reseller, we can support you with the implementation and use of **Siemens NX** software together with its modules along the entire AM process chain.



Why choose AMbitious?

- Many years of experience along the entire additive manufacturing process chain
- Accustomed to using Siemens NX in day-to-day project work
- Practical advice and support for use in practice
- Extensive help with getting started
- Highly responsive support
- Support with day-to-day business operations
- Up-to-date philosophy



See our detailed brochure for more information about our training courses and consultation service.

Why choose Siemens NX?

DIGITAL TWIN

THE DIGITAL ENTERPRISE

Digital Twin Production, Digital Twin Performance, Performance Data

Virtual product, Virtual production, Real production, Real product

Realize and optimize, Collaboration platform

FOR INDUSTRIAL ADDITIVE MANUFACTURING

CONSISTENT PROCESS CHAIN – MODULAR, OPEN & INTEGRATED

END-TO-END SOLUTION

CAD, AM, CAM, CAE

ASSOCIATIVE DESIGN CHANGES

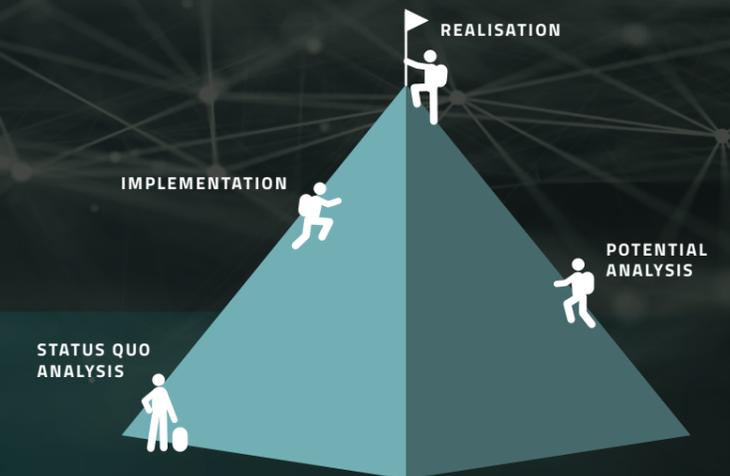
AM

MULTIDISCIPLINARY AND GENERATIVE ENGINEERING

SIMULATION-DRIVEN DESIGN AND MANUFACTURING

What's next?

Contact us to reach the next level in AM!



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powered by toolcraft

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For course dates and more information on our services, please visit www.AM-bitious.de/en