









AM Overview

Additive Manufacturing (AM) is more than just 3D printing. NovaTech provides a comprehensive approach to AM, gained through practical experience across multiple industries, that is designed to realize all the potential that AM promises in innovation and performance.



Design Optimization

- Collaborative requirements process
- Iterative design process
- Advanced design tools



Material Selection

- Material performance analysis
- Printing characteristics
- Broad range of materials



Print Technology

- Product design and application
- Material compatibility
- Quantities and cost



Production Printing

- Supply chain and resources
- QC, testing, and certification
- Budget, schedule, and cost control







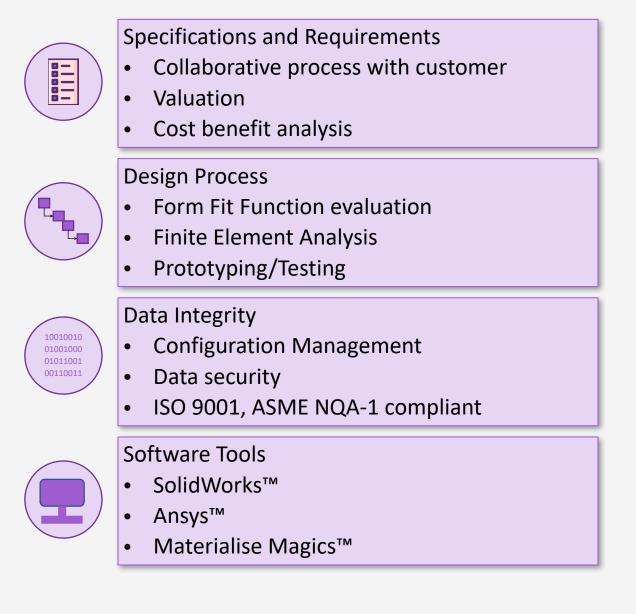






Design Optimization

Optimizing your product's design to take advantage of what additive manufacturing has to offer, i.e. better performance, lower cost, higher reliability, better maintainability, fewer parts, and lower weight.









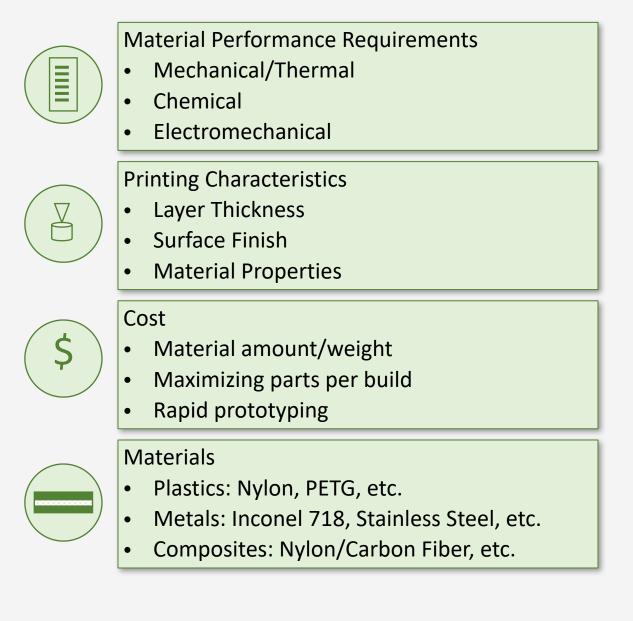






Material Selection

Selecting the right additive manufacturing material for your product is critical and involves a multitude of factors not only concerning material performance, but printing characteristics as well.









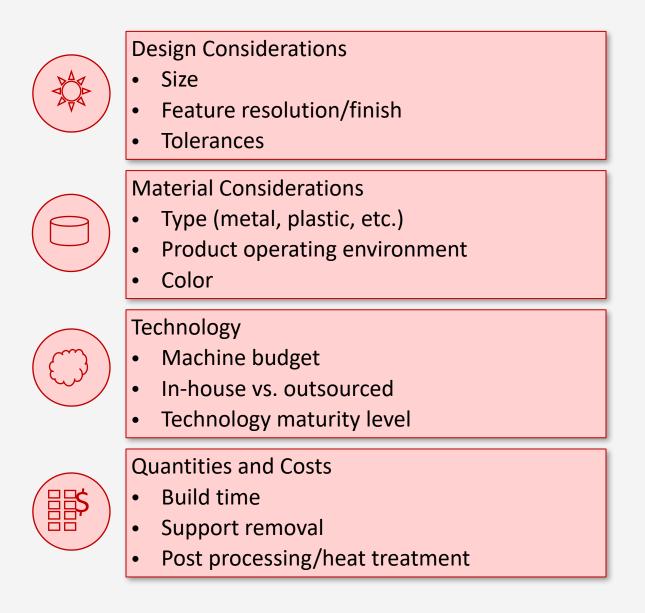






Print Technology

Determining the best print technology is based on many factors: form, function, materials, and printing environment. Not employing the right printing technology can make a significant difference in product outcome.









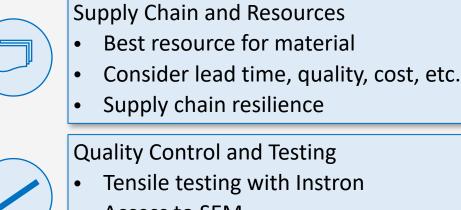






Production Printing

Although Additive Manufacturing (AM) is usually thought of as being employed in prototyping, a considerable amount of production is now being done by AM. NovaTech has the experience to effectively manage design changes, material supply, and production demand.



- Access to SEM
- Inspection with CMM •



Product Certification

- In-situ monitoring
- Data validation and verification
- AM specific QA plan •

Budget, Schedule, and Costs

- Cost control and variance
 - Critical path Gantt/PERT
- **Continuous Customer Updating**