

DESIGN & DEVELOPMENT SERVICES

Powered by nearly 100 creative problem-solvers, partnering to drive solutions

Delivering innovation and speed to market

Our Design and Development (D&D) team has a long history of successfully partnering with medical device OEMs to bring innovative solutions to life.

Our people, partnerships, and proven processes have reduced time to market by up to 60% and have achieved cost reductions of up to 85%.



HERE'S HOW:

Depth and breadth of expertise—that's transferrable

Our team brings more than 50 years of experience in core markets and applications including bioelectronics, minimally invasive surgery (MIS), interventional, orthopedics, robotics and drug delivery. What makes this experience so valuable is our ability to “translate” our expertise in one market into finding the right solution in another market.

Seasoned, creative problem-solvers

Our D&D team comprises nearly 100 engineers, including 5 PhDs who specialize in materials, coatings, simulation, bioengineering, and more. We collaborate with our customers to leverage decades of medical device experience and creative thinking to solve complex challenges. We have a strong track record of helping customers expand their intellectual property (IP) portfolio and secure a unique and valuable position in the market.

Lean new product introduction (NPI) process

Our Project Management Professionals draw from a robust toolkit to help our customers transition from D&D into manufacturing efficiently and effectively. Our Lean Product Development and Launch techniques provide a knowledge-based process and a set-based design approach to prevent costly redo loops. One specialty is the Production Preparation Process (3P), a Lean tool that can lead to increased efficiency, compressed timeline and more collaborative and aligned teams.

ABOUT VIANT DESIGN & DEVELOPMENT



2 Centers of Excellence



100 Nearly 100 engineers



>15 Years of experience* each



5 PhDs



>25 Active projects**



5 Programs commercialized per year*

*On average **Annual average 2019 to present

CORE MARKET EXPERTISE

Deep & Transferrable

- Minimally Invasive Surgical (MIS)
- Bioelectronics
- Interventional
- Orthopedics
- Robotics
- Drug Delivery



Viant has the depth of expertise to support you at every phase of the product lifecycle, and the flexibility to jump in and help in any phase we're needed.

FEASIBILITY

- Voice of Customer / User Requirements
- Product Specifications
- Concept Ideation
- Concept Assessment

DESIGN

- Prototyping
- DFM/DFA/DFx
- Full DHF Generation
- Packaging Design
- Materials Science
- Test Method Development

VERIFICATION

- Risk Analysis
- Detailed Specifications
- Design Documentation
- Design Verification Testing

VALIDATION

- Design Validation
- Component / Supplier Qualification
- Process / Sterilization Validation
- Regulatory Submissions

DESIGN TRANSFER

- Device Master Record
- Production Ramp
- Lean Production Process
- Packaging & Labeling
- Continuous Improvement Program Initiation

SMALL-COMPANY ATTENTION. BIG-COMPANY RESOURCES.

- Flexible approach to handle as much or as little of the program as needed
- Dedicated Centers of Excellence in key medical device markets on East and West Coasts
- Global resources and scale with 24 sites, including low-cost geographies
- End-to-end solutions from D&D to manufacturing & assembly to packaging
- Deep materials expertise including highly specialized processes in polymers and metals



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