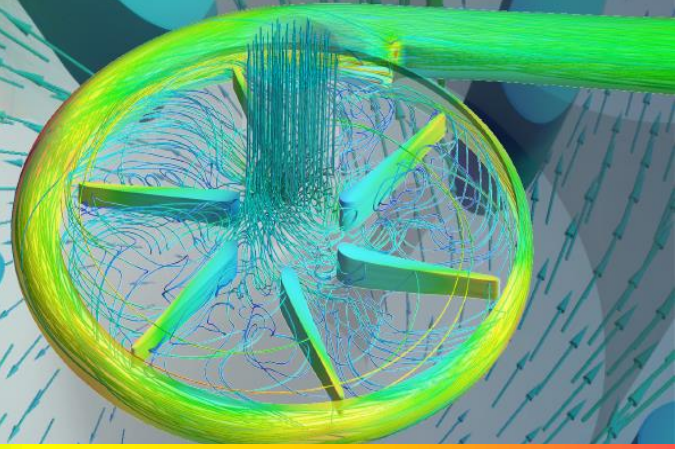


Pump Development & Optimization

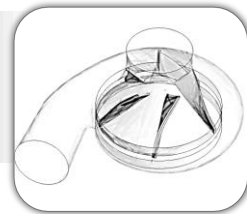


We focus on your needs and provide modular services according to your requirements: advanced engineering support, modeling consulting, design analysis, and design optimization. Our services are based on our years of experience in numerical simulation and medical device development. Together with our partners from industry, academia and healthcare we help you to bring your device to the market – faster, less expensive, and more successful.

Concept Development

- Design Requirement Specification
- Innovative and conceptual designs

We develop a strong base for your innovation. Any novel pump begins with a conceptual design.



Predictive Design Analysis

- Anatomical fitting studies
- Pump performance & interaction
- Hotspot identification
- Blood damage and thrombosis

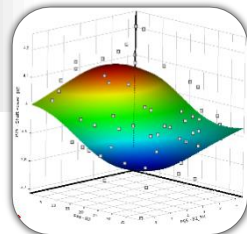
enmodes has extensive experience in using computer-aided simulations to evaluate the ideal design, both anatomically and physiologically, paired with superior pump performance.



Design Optimization

- Concept evaluation
- Comparative design studies
- Design Exploration
 - Parameter Sensitivity Analysis
 - Multi-objective Optimization

Explore innovative ideas or possible improvements without excessive expenses - enmodes is your expert partner for applied numerical simulations and methodology.



Integration, Testing & Validation

- In-vitro tests
- In-vivo studies
- Experimental validation

At our core, we are committed to providing reliable results with the upmost accuracy and efficiency. We work with recommended partners from industry, academia, and healthcare.

