

TOOLS FOR LIFE®

About Farm

Farm is a full-service, ISO 13485-certified and FDA-compliant product development consultancy with over 40 years of experience providing award-winning development services for medical, life sciences, and consumer healthcare companies. We offer expertise in User Research, Human Factors Engineering, Industrial Design, User Interface Design; Mechanical, Electrical, and Software Engineering; Usability Testing, Pilot Production Support, and Regulatory Compliance.

Human Factors

By employing a holistic, process-driven, and IEC 62366-compliant development approach, we help our clients design, engineer, and test medical devices that are safe, easy to use, and effective. We begin with a variety of generative research methods, including ethnographic and interview techniques, to uncover and document unmet user needs. We then systematically analyze these discoveries to drive new product strategies and establish product requirements. Beyond initial user research, Farm incorporates formative and summative usability testing at key milestones along the development path, resulting in products that meet rigorous FDA human factors requirements and achieve increased user adoption and greater success in the marketplace.

Concept Development

Farm delivers success by generating innovative ideas—ideas that yield new, patentable, marketable, and profitable products. We incorporate structured concept generation, prototyping, and user testing into our process to prove performance and define usability criteria early in each product development program. Our success is measured by hundreds of patents, our clients' high level of satisfaction, and improved market penetration.

Product Development

Farm delivers comprehensive services for all stages of medical product development. Our talented researchers, designers, and engineers collaborate with our clients to deliver superior results throughout the development process. From early-stage user inputs through final product verification and validation, Farm's systems engineering approach ensures we create effective solutions throughout each phase for our clients' most complex mechanical, electronic, and software challenges. We place a high value on program management, both within our internal group and our client teams. Strong communication, combined with our unique tools for tracking and managing project risks, budgets, schedule, and scope, ensures the highest level of program transparency and efficiency, and leads to successful program results.

Pilot Production

Farm's design-for-manufacturing approach continues seamlessly throughout the development process and into design transfer and production. We support the build of production-equivalent units for verification and validation testing and to establish manufacturing readiness, and we work closely with qualified global resources to specify quality components and support our clients' contract manufacturers. Our goal: to design successful products that can be manufactured easily and cost-effectively.

Regulatory Compliance

Farm is an EN ISO 13485:2012-certified and FDA-compliant product development company. Our development and design control process is specifically built to be flexible and efficient to meet our clients' project specifications, while effectively meeting the rigorous requirements demanded by the EU and FDA. Our team works closely with our clients to establish design and development plans while supporting documentation throughout the entire product development process for inclusion into the DHF and DMR. Whether it's a Class I, II, or III device, our experienced team and comprehensive quality system are integrated into the development program from the beginning to ensure each product is safe and effective and meets the client requirements.

Clients:

Abiomed	Cook Medical	Medrobotics
Abbott/IDEV Technologies	Cordis	Medtronic
Alere	Corindus Vascular Robotics	Millipore
Baxter Healthcare	Covidien	NinePoint Medical
Bayer Healthcare	C.R. Bard/Davol	Philips Healthcare
BD Medical	DJO Global/Aircast	Siemens Healthcare
Boston Scientific	GE Healthcare	Smith & Nephew
Canon U.S. Life Sciences	Haemonetics	Stryker/MAKO Surgical
Cardinal Health	Hologic	Symmetry Medical
CareFusion	Integra Life Sciences	TransMedics
ConMed	Johnson & Johnson	Welch Allyn

Put Farm's expertise to work on your next development program.

Farm Main Office
PO Box 1260
12 Silver Lake Road
Hollis, NH 03049
T: 603.465.9800

Farm Cleveland Clinic
Global Cardiovascular Innovation Center
10000 Cedar Avenue
Cleveland, OH 44106

info@farmpd.com
farmpd.com



Improving Device Efficacy

Farm helped Cook Medical redesign its existing inferior vena cava (IVC) filter delivery system to make it easier for cardiologists to deliver these life-saving vascular implants. The new product eliminates the effects of pull/push and rotation on the filter, reducing the potential for misalignment, and a unique tactile feedback feature allows the surgeon to focus on the monitor and eliminate premature deployment. We also reduced the number of steps needed to complete the delivery of the filter and engineered the product to be more cost-effective to manufacture. The NavAlign™ IVC Filter Delivery System features more precise control, increased accuracy, and improved device efficacy.



Seeing Below the Surface

Farm collaborated with startup biotech firm NinePoint Medical to develop the NvisionVLE™ Imaging System, a breakthrough diagnostic tool that uses Optical Coherence Tomography to allow clinicians to more precisely evaluate the tissue microstructure of the esophagus during a standard endoscopy procedure. Farm helped NinePoint Medical progress from concept breadboard to a commercial product in less than a year, creating a device that achieves a new level of precision in tissue visualization.



Premium User Experience

Farm helped DJO Global become a leader in the category of orthopedic therapy products by developing the innovative Aircast® walking cast. Farm has recently helped DJO Global build on that success by creating AirSelect™, a breakthrough addition to the DJO Global product family that brings significant improvements in both product performance and user comfort. Farm's technical team developed the new sole design using wearable prototypes, advanced real-time testing, and computerized motion path analysis. The result is a more comfortable product that helps the patient walk with a more natural gait.

