

MEDICAL DEVICE
\$1.8M

Medtech

Project
Management



Systems
Engineering



Mechanical
Engineering



Electrical
Engineering



Software
Engineering



Quality
Assurance



COMMERCIALIZATION AND DFM OF NOVEL COAGULATION DEVICE

APPROACH

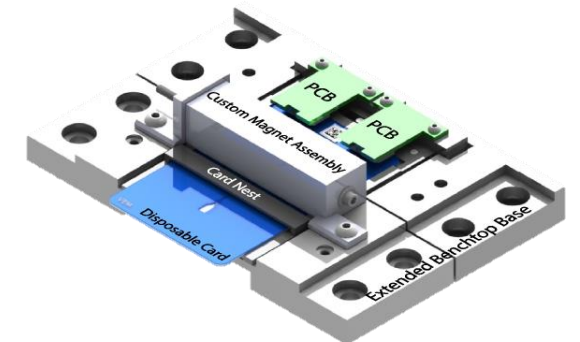
- Prioritize manufacturability of the consumable portion of system
- Integrate updated design into automated alpha meter
- Review current laboratory alpha meter design and identify design gaps related to medical device 510(k) submission requirements
- Introduce design controls in anticipation of regulatory submission

RESULTS

- Proved feasibility, manufacturability, and business case of consumable in three months
- Validated subsystem component designs against requirements
- Enabled client to secure final funding for full meter development
- Maintained team through meter development for consistency and efficiency
- Developed full system and subsystem requirements for beta meter
- Conducted feasibility study of Toradex processor to support meter functionality

KEY TOOLS & TECHNOLOGIES

- Altium
- Mathematica
- Orcanos
- Cameo
- FIGMA
- SolidWorks
- Flutter



ALTEN TECHNOLOGY