INNOVATION AT A GLANCE

Medical & Life Sciences

CLIENT

Medical technology company with a focus on dialysis

INDUSTRY

Medtech

SERVICES

Disassembly tool assessment Material selection **Feasibility studies**

OBJECTIVES

Improve product usability and sustainability

REDESIGNED DISPOSABLE CARTRIDGE AND FRONT PANEL TO IMPROVE RELIABILITY, USABILITY, AND COST

APPROACH

- Reviewed system design documentation
- Deconstructed and reconstructed system
- Conducted feasibility studies

RESULTS

- Delivered a greatly-simplified cartridge design
- Improved reliability, cost, and usability of consumable design

table

■ Drove feature improvements, cost reductions, and universality of the front panel

KEY TECHNOLOGIES

- 21 CFR 820 (FDA)
- ISO 13485, EN ISO 14971, IEC 60601-1, IEC 60601-2, IEC 62304
- SolidWorks, LabView, Python





Engineering



Mechanical **Engineering**



Electrical Engineering



FTE

