

FLOW CYTOMETER

Medical & Life Sciences

Project
Management



Mechanical
Engineering



Systems
Engineering



Electrical
Engineering



Software
Engineering



IMPROVED SPEED AND PRECISION OF A FLOW CYTOMETER IN 12 MONTHS

APPROACH

- Provided system capabilities of high collection rates without compromising data
- Provided intuitive user interaction and unparalleled ease of use in flow cytometry
- Minimized footprint and cost to deliver full benefits of a breakthrough in flow cytometry systems

RESULTS

- Achieved a 3x footprint reduction
- Achieved 10x faster sample throughput rates than competing cytometers
- Completed development through pilot production in 12 months
- Received excellent customer reviews on the design
- Completed design detects events

KEY TECHNOLOGIES

- Primary systems integration
- Industrial, mechanical, and fluidics design
- Optics bench design
- Manufacturing support



ALTEN TECHNOLOGY