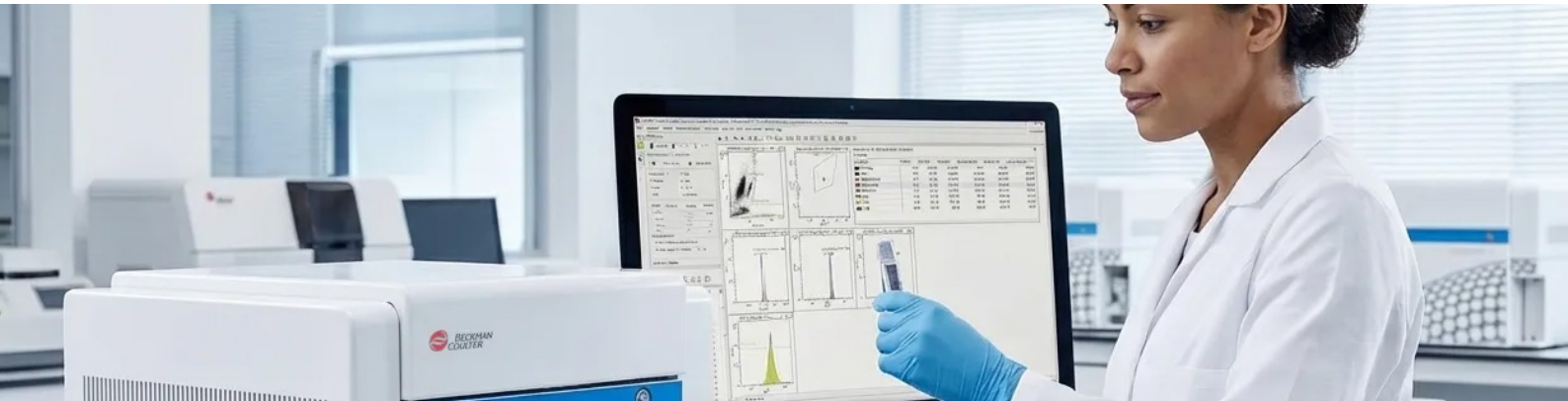


Flow Cytometer Data Analysis



Client

Beckman Coulter Life Sciences

Practice Areas

Industrial

TechBio & Life Sciences

Core Disciplines

Software Engineering

AI & Advanced Algorithms

Molecular & Cell Biology

Challenge

Beckman Coulter Life Sciences needed to expand the CytoFLEX platform's analytical capabilities to compete with third-party software solutions – growing supported customer use cases from two to ten without compromising performance, flexibility, or development speed.

Solution

Triple Ring deployed experts across optics, algorithm development, data science, and software engineering to design and implement advanced data analysis algorithms. The team rapidly developed robust constrained optimization algorithms built for real-world data, while integrating seamlessly with the client's technical team and supporting both engineering and regulated software environments.

Client Impact

- Expanded high-value customer use cases from 2 to 10
- Captured market share previously held by third-party software rivals
- Produced valuable, client-owned intellectual property
- Strengthened the long-term competitive position of a market-leading platform

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