

CASE STUDY

Field Control Analytic (FCA): Transforming FCA's Legacy System for Construction Efficiency

Services Provided by DataSleek: Legacy System Optimization, Data Architecture, Performance Tuning, Ongoing SLA Support

Overview

Field Control Analytics (FCA), a leader in workforce management for the construction industry, faced mounting challenges from an aging legacy system, causing frequent outages and sluggish performance. Seeking to enhance efficiency without a complete overhaul, FCA partnered with DataSleek to optimize its infrastructure. Construction is an industry with unique challenges according to the Associated General Contractors of America, with 80% of construction firms reporting difficulty in hiring hourly positions. This labor shortage puts immense pressure on companies to optimize their workforce and strategically allocate their limited resources. In addition to workforce management issues, the industry struggles with productivity. Over the past two decades, construction productivity has only grown by 1% annually. This slow growth underscores the need for innovative solutions to improve efficiency and drive measurable results.

Challenges



Aging Legacy System:

The obsolete core system lacked vendor support.

Performance Issues:

Frequent timeouts and slow response times hampered productivity.



Scalability Constraints:

The hybrid infrastructure became complex and inefficient.

Limited Resources:

FCA struggled with insufficient internal expertise.



Customer Frustration:

Increased complaints threatened FCA's reputation.

Solution

DataSleek executed a multi-phase optimization plan to stabilize and modernize FCA's system, without requiring a full system replacement:

1

Performance Optimization:

Tuned database statistics sampling and reduced timeouts.

2

Query Management:

Optimized high-volume queries to prevent slowdowns.

3

Proactive Monitoring:

Established real-time alerts enabling internal troubleshooting.

4

Training:

Provided targeted training to streamline the transition.

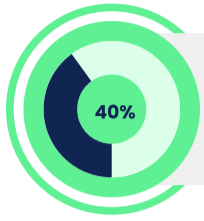
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SLA-Based Support:

Offered ongoing monitoring and maintenance.



Results



40% reduction in system downtime, ensuring stable operations.



Cost Savings by avoiding a complete system migration.



Improved Customer Satisfaction through faster, more reliable service.



Operational Efficiency Gains in data management.



A Scalable Infrastructure that supports FCA's continued growth.

Impact

By optimizing its legacy system at a fraction of the expected migration cost, FCA positioned itself for sustainable growth. FCA also maintained market leadership in a competitive industry. "DataSleek gave us breathing room to scale smartly without sacrificing service." — FCA Leadership Team About DataSleek DataSleek® offers data architecture and optimization solutions tailored for business needs. Trusted by major companies, we help unlock the value of data.



About Data-Sleek

Data-Sleek® is a consulting agency and a leading provider of comprehensive data management solutions. We specialize in data transformation, data migration, data integration, data architecture, data warehousing, and database consulting. Our commitment to client satisfaction empowers organizations of all sizes to unlock the full potential of their data assets. Data-Sleek is a trusted partner of Fortune 500 companies, dedicated to innovating and revolutionizing the way you do business.

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