Thermo Fisher Scientific TIV Report

Score: 34.67% (156/450)

Category: Technology Laggard

Assessment Date: 2025-09-01

Section Summary

Section	TIV Score	Category
Part 1: Business & Strategy	4.44%	Technology Laggard
Part 2: Apps & Data	14.67%	Technology Laggard
Part 3: Infrastructure	15.56%	Technology Laggard
Total TIV Score	34.67%	Technology Laggard

Business & Strategy Analysis

Assessment of business strategy and technology leadership reveals a lack of organizational commitment to digital capabilities development through executive structure, strategic initiatives, and technology talent acquisition.

- No evidence of a dedicated CDO, CTO, or CIO role at Thermo Fisher Scientific
- No specific evidence of board members with tech and data experience found in public disclosures
- No evidence found of a dedicated Head of AI role at Thermo Fisher Scientific
- The 2023 Corporate Social Responsibility Report mentions technology investments as supporting business objectives, particularly in drug development and scientific services
- No specific evidence of hiring volume for data and tech roles found
- No reports of layoffs or redundancies in tech/data roles were found

Applications & Data Analysis

Technical platform evaluation demonstrates a lack of digital architecture maturity, data management sophistication, and customer experience optimization capabilities.

- The website uses modern HTML, CSS, and JavaScript frameworks
- PageSpeed Insights shows a score between 50-89
- Evidence of modern REST APIs found

- Secure headers and OAuth2 used in API security
- Basic rules-based personalization found
- Basic experimentation tools used
- Use of enterprise analytics tools confirmed
- Basic tag management system in place
- Basic SDK used for analytics
- Basic product strings found

Infrastructure Analysis

Infrastructure assessment shows a lack of cloud strategy implementation, security posture, and operational scalability aligned with modern technology practices.

- Evidence of partnership with AWS found
- No evidence of AI cloud partnerships found
- Some modern data stack components identified
- No evidence of AI/ML Ops maturity found
- Evidence of Kubernetes usage found
- Evidence of GPU usage found
- No evidence of scalable inference infrastructure found
- No specific financial commitments found
- Evidence of medium CI/CD maturity found
- No evidence of continuous deployment found
- No evidence of data quality tools found
- Evidence of modern TLS found
- Evidence of GDPR compliance found
- No evidence of AI security measures found
- Evidence of IAM practices found
- Evidence of DevSecOps practices found
- Evidence of incident response practices found

Evidence Gaps & Assumptions

Areas with insufficient evidence:

- Leadership roles in technology
- Hiring velocity for tech roles
- AI leadership
- AI/ML Ops maturity
- Scalable inference infrastructure
- Continuous deployment

- Data quality tools
- AI security measures

Recommendations

Key improvement areas based on gaps identified:

1. Establish dedicated leadership roles for technology and data
2. Increase hiring velocity for tech roles
3. Establish a dedicated Head of AI role
4. Improve AI/ML Ops maturity
5. Implement scalable inference infrastructure
6. Implement continuous deployment
7. Implement data quality tools
8. Implement AI security measures

Overall Assessment

Thermo Fisher Scientific demonstrates a lack of commitment to technology leadership. The company shows some strengths in website technology and cloud partnerships but has opportunities to improve in leadership roles, AI/ML Ops maturity, and scalable inference infrastructure.

Evidence Sources

Leadership & Management:

- Company website: https://www.thermofisher.com
- 2023 Corporate Social Responsibility Report: https://corporate.thermofisher.com/content/dam/tfcorpsite/documents/corporate-social-responsibility/annual-reports/2023-CSR-Report.pdf

Technical & Performance:

- Company website: https://www.thermofisher.com
- PageSpeed Insights for website performance metrics