Technology Intelligence & Value (TIV) Report — Exxon Mobil

October 1, 2025

Section	% Score	Category
Part 1 — Business & Strategy	86.7%	Technology Leader
Part 2 — Applications & Data	73.3%	Technology Adopter
Part 3 — Infrastructure	96.7%	Technology Leader
Overall	**85.6%**	**Technology Leader**

Executive Summary

Exxon Mobil is a Technology Leader in Infrastructure and Strategy, with Applications & Data scoring as an Adopter given limited consumer-facing CRM/CDP disclosures. Operational AI focuses on geoscience, production, and reliability rather than marketing.

Strengths

- HPC for seismic imaging and reservoir simulation; AI for drilling, production optimization, and maintenance.
- Digital twin and sensor data integration across upstream and downstream assets.
- Strong security, safety, and compliance posture for critical infrastructure.

Weaknesses

- Customer-facing marketing/CRM depth is limited relative to consumer sectors; public martech details are sparse.
- Complex operational footprint introduces data integration and quality challenges across assets.

Business & Strategy

Leadership communicates digital transformation as an efficiency and safety lever. Capital allocation includes digital programs in exploration, development, and downstream optimization; board oversight of cyber and operational risk is explicit.

Applications & Data

Analytics center on operational telemetry, predictive maintenance, and supply optimization. Experimentation is present in process optimization; privacy and compliance address worker and contractor data, with region-specific rules.

Infrastructure

Hybrid/HPC infrastructure with large-scale compute for seismic and simulation; edge computing at facilities. Standardized ML ops and observability for mission-critical operations; Zero-Trust and safety-critical security practices.

Conclusion

Overall score: 385/450 (85.6%) — Technology Leader.

Sources

- Exxon Mobil investor materials (2024–2025).
- Annual Report / Form 10-K (SEC).
- Technical features on digital oilfield and HPC programs.