Adopting AI safely in a highly regulated industry — *from months to weeks*

USA Rare Earth (NASDAQ: USAR)

CLIENT	SECTOR	ENGAGEMENT
USA Rare Earth	Critical sector manufacturing · Mining	Strategic advisory · Assessment · Policy

THE CHALLENGE

As a fast-growing multinational with a broad portfolio, USA Rare Earth (NASDAQ:USAR, USARE) faced a common challenge facing critical sector businesses: how to realize the rewards artificial intelligence (AI) adoption promises within the complex regulatory, market, risk, and threat conditions they face for their business and operations.

USARE'S GOALS

USARE's most strategic business priority - realizing value from their Round Top deposit - requires them to innovate and use AI for digital twins and complex materials science experimentation. Moving beyond initial adoption of AI to integrating AI into USARE business practices required rethinking of technology, organizational, and governance practices.

After successfully securing federal CHIPS Act and U.S. Department of Energy investments in research and development, USARE wanted to accelerate key AI initiatives to meet their "hyperspeed" growth goals.

With the additional federal investments and fast pace of growth, USARE management saw the moment to proactively engage in ensuring they were adopting and developing AI in a way that made sense for their business. Executive leadership at USARE wanted to see that frontline AI adoption was accelerated to match the corporate demands, compliant with investor and compliance obligations, and aligned with the direction of the Board and management all the way through to frontline teams across their M&A portfolio.

SOURCES [USARE SEC 10K for 2025 →] [CHIPS →] [Department of Energy (DOE) →]

HOW REALIS ENGAGED

Realis Solutions Group engaged with management to provide strategic advisory, assessment, and policy services related to USARE's software development life cycle (SDLC), operational programs, and governance for AI across the company.

Realis' engagement spanned three areas of focus supporting USARE's growth and compliance strategies:

I Software Development Life Cycle (SDLC)

Operations and governance strategies for artificial intelligence (AI) and machine learning (ML) software development life cycle (SDLC) in compliance-driven environments, e.g. DevSecOps

II Infrastructure Architecture

Assess and advise on aspects of AI infrastructure and compliance strategy related to existing features and future needs for Customer stakeholders e.g. in IT

III AI Adoption Risk Strategy

Strategic foresight and internal framework development for decision-makers to validate AI for Customer's needs and accelerate AI adoption while balancing risk and reward

THE RESULT

AI SDLC STRATEGY + AI ACCEPTABLE USE POLICY Months → ***weeks***

By engaging with Realis, USARE was able to see their AI position across their governance model and compress the process of developing their AI SDLC strategy and AI Acceptable Use Policy from months to weeks. This enabled USARE management to invest in the right services and solutions, get in front of Board-level discussions, and accelerate key strategic AI and policy initiatives within highly compressed timeframes, keeping USARE on track.

"We wanted to focus on ensuring we had the right tools, the right policies, and the right process for AI.

Realis helped us with all three, worked with our whole team from front line team members to our in-house counsel, and supported management in preparing for Board assurance and policy implementation so that we were ready to roll and keep growing at hyperspeed.

Realis eliminated the uncertainty we'd been experiencing around what we needed to do now and do next for AI SDLC and governance from a strategic risk management perspective and accelerated our AI adoption at ground level."

— **ROB W. STEELE** Chief Financial Officer, USA Rare Earth

CUSTOMER OVERVIEW

USA Rare Earth (NASDAQ: USAR, USARE) is a critical sector manufacturing company in the mining sector with the strategic mission to build the rare earth value chain for the United States of America and its allies.

> *"USA Rare Earth plans to deliver high-performance materials, metals, alloys and magnets that are vital inputs to end markets critical to national security, technological innovation, and the increasing number of advanced manufacturers who seek a reliable supply chain."*
>
> August 26th, 2026. From usare.com/markets-applications

For a sense of significance and scale, according to investor reports from June 2026, USARE's portfolio of mining investments and subsidiaries globally makes USARE the only rare earths (REE) company outside of China which spans the entire REE value chain.

SOURCE USA Rare Earth produces commercial-grade dysprosium oxide →