◆ **GENESIS MISSION** ◆

Department of Energy • National Initiative

AUTONOMOUS RESOURCE CORPORATION

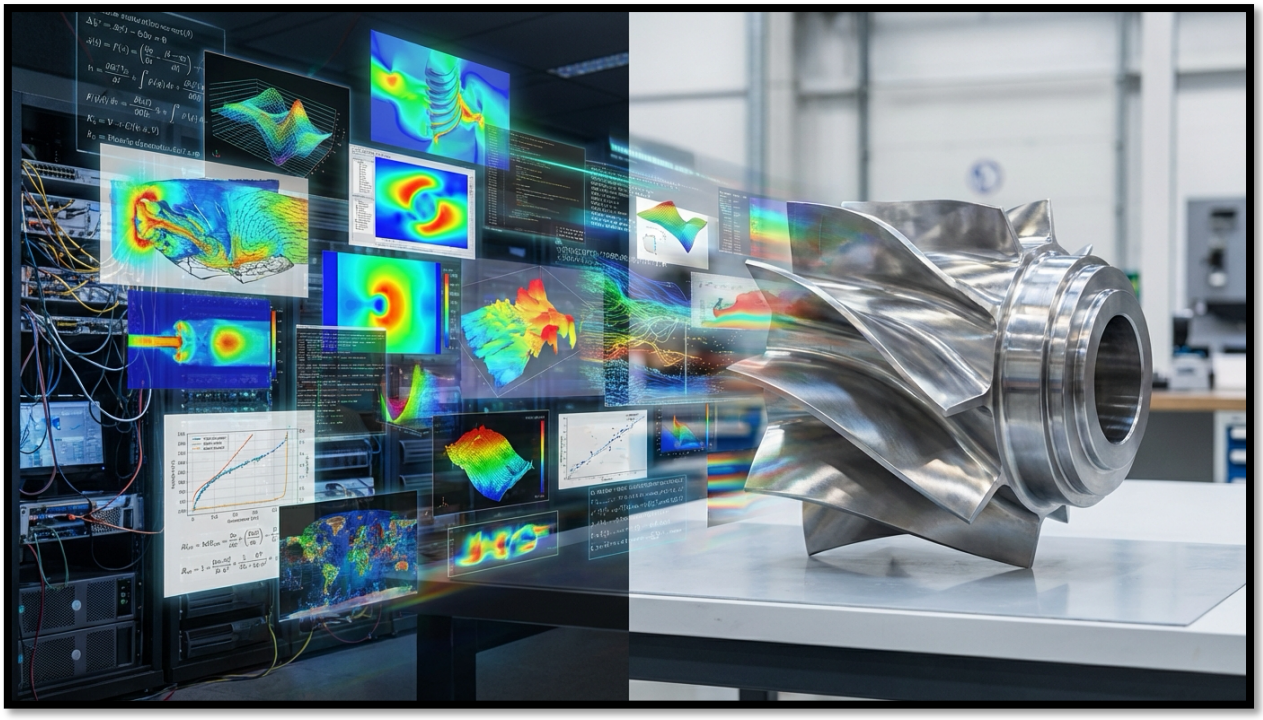
AI-Enabled Materials Science & Advanced Manufacturing

EXECUTIVE SUMMARY

ORNL PARTNERSHIP	DESKTOP METAL ACQUISITION
Genesis Project Framework	September 2025

New York, New York

December 2025



EXECUTIVE SUMMARY

Autonomous Resource Corporation ("**ARC**") is a New York–based company formed to accelerate U.S. materials and manufacturing innovation in service of national and supply-chain security objectives, including military readiness. ARC's core strategy is to pair frontier AI compute and simulation with advanced manufacturing so that critical materials can move from research to deployable production faster and more reliably than traditional development cycles allow.

ARC is anchored by a partnership with Oak Ridge National Laboratory (ORNL) under the **Genesis Project** framework. ORNL is uniquely positioned for this work: it houses the national labs' only Manufacturing Demonstration Facility (MDF) focused on advanced manufacturing, and it operates the Pioneer supercomputer and associated infrastructure among the highest tiers of global computational capability.

To build that manufacturing foundation quickly, ARC acquired Desktop Metal (DM) in September 2025. DM is a U.S.-based global player in advanced manufacturing, materials science, and binder-jetting technology. ARC's thesis is that DM's installed base, know-how, and data assets can dramatically accelerate commercialization of ORNL-aligned objectives—particularly where the U.S. needs resilient domestic capability.

◆ GENESIS MISSION ALIGNMENT ◆

The broader market tailwind is the rapid mobilization of federal resources around AI-enabled science and manufacturing. ARC points to Project Genesis, launched by the Department of Energy (DOE) on November 25, 2025, aimed at transforming American science and innovation through the AI computing revolution.

STRATEGIC THESIS

At the center of the partnership is ARC's agreement to adopt and commercialize two of ORNL's multibillion-dollar capability investments: (1) materials and advanced manufacturing technologies and (2) supercomputer-developed models—and to mature these into flexible manufacturing capabilities that meet critical national security and high-value commercial needs.

Near-Term Target Applications

Heavy Rare-Earth Free Permanent Magnets	**Superalloys and coating for Turbine Blades**	**Materials for Small Modular Nuclear Reactors**

COMPETITIVE EDGE

Investor appetite for "AI-to-atom" platforms (AI-driven materials science, lab automation, and factory deployment) is translating into outsize financings and aggressive valuation expectations. In addition to newer science-factory startups like Periodic Labs and Episteme, Project Prometheus—focused on applying AI to engineering and manufacturing—has been reported at **$6.2B of funding**, underscoring how quickly capital is concentrating around teams that can credibly link frontier AI to real-world production workflows.

ARC benefits from the same tailwind, but with a fundamentally different starting line: delivery-ready capability. Unlike startups that must first build their robotics labs, assemble proprietary datasets, and secure scalable compute before they can ship production-relevant results, ARC is already anchored by (i) the ORNL Genesis partnership—structured around adopting and commercializing ORNL's advanced manufacturing technologies and supercomputer-developed models—and (ii) the Desktop Metal acquisition, which supplies a deployable installed base and immediate production capability.

THE THREE CRITICAL INGREDIENTS

That other "AI materials labs" often spend years assembling

MANUFACTURING	COMPUTE	DATA
Distributed network of additive manufacturing systems	World-class compute via ORNL nexus (Frontier & Lux-class)	10+ years proprietary process & materials data

Desktop Metal's world-leading materials science database: **metals, ceramics & polymers**

ARC's thesis is that the next industrial advantage will accrue to teams that can: generate proprietary materials/process data at scale, close the loop between simulation → fabrication → test/measurement, and convert learning into qualified components for demanding applications. ARC's approach fuses ORNL-originated capabilities with fast AI agents and a distributed manufacturing network—creating a commercially driven, product-agnostic platform designed to move from lab-grade innovation to deployable production with speed and discipline.

LEADERSHIP

Bryan Wisk — *CEO & Founding Partner*

Bryan has invested across global capital markets since 2002, beginning as a designated primary market maker for Citigroup on the Chicago Board Options Exchange, where he helped accelerate the shift to automate options trading across hundreds of products and multiple U.S. exchanges. He later served as Senior Derivatives Analyst at Visium Asset Management, managing investments across deep technology sectors including biotech, gene sequencing and health care IT. In 2015, Bryan founded Asymmetric Return Capital—building proprietary risk and hedging strategies designed to protect institutional portfolios from extreme market events. The Fund delivered a +70% gain in 2020 during the COVID-19 crisis. Following the Inflation Reduction Act, Bryan saw an inflection point where similar algorithmic approaches could be applied to distributed energy resource aggregation. In 2023, he formed Arc Public Benefit Corporation to finance autonomous infrastructure networks at global scale.

Paul Adams — *President & Co-Founder*

Paul has extensive experience in mergers & acquisitions and capital markets as well as c-suite operations. Across a 20+ year investment banking career—including as Head of Morgan Stanley Health Care Services Investment Banking—he has led more than $100 billion of M&A and $22 billion of financings. He has also held senior operating and investing roles, including VP of Strategy & Marketing at a global health care company for eight years and Managing Director at Visium, where he first worked with Bryan leading the firm's analysis of portfolio implications of the Affordable Care Act. Paul has lectured in M&A at the University of Illinois Chicago, serves on the Dean's Business Advisory Council, and has mentored founders through the University of Chicago Polsky Center for Entrepreneurship.

Dr. Leo Christodoulou — *Chief Technologist*

Leo is a senior technology leader who has operated at the intersection of U.S. national security R&D, industrial-scale manufacturing, and next-generation materials. He was Chief Technologist at Boeing (reporting to Boeing's CTO), where he leads advanced manufacturing across key verticals and drives Boeing's company-wide strategy and maturation for additive manufacturing. Previously, he led the U.S. Department of Energy's Advanced Manufacturing Office and co-chaired the interagency working group for the White House Advanced Manufacturing Partnership. In that DOE role, he helped launch the Manufacturing Demonstration Facilities initiative and oversaw the office that supports and manages DOE's flagship MDF at Oak Ridge National Laboratory. Earlier, Leo served as Director of DARPA's Defense Sciences Office, leading interdisciplinary programs spanning materials, energy, and biological defense. He is also the co-inventor and primary developer of XD Alloys.

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