CAPABILITY STATEMENT

SCIENCE | ENGINEERING | STRATEGY

17+ YEARS
TECHNOLOGY LEADERSHIP

27
PEER-REVIEWED PUBLICATIONS

10+
PATENTS ISSUED / PENDING

COMPANY OVERVIEW

Aaron Washington Labs (AWL) provides multidisciplinary science, engineering, and strategic consulting for government and commercial organizations. Led by Dr. Aaron L. Washington II, the firm focuses on advanced materials, radiation detection, nuclear and fusion technologies, technology development, and execution of complex research programs.

CORE TECHNICAL CAPABILITIES

Radiation detection & sensing

CdZnTe semiconductors, solid-state detectors, radiochromic materials, sensor integration and performance analysis.

Advanced materials & manufacturing

Radiation-resistant polymers, thermoset additive manufacturing, nanomaterials, quantum dots and materials characterization.

Nuclear & fusion technologies

Nuclear waste materials, radiological containment, shielding materials, fusion commercialization and national-laboratory interfaces.

Federal R&D program execution

Project planning, technical risk, budgets, milestones, multidisciplinary teams and regulated research governance.

Technology strategy & commercialization

Federal funding strategy, technical partnerships, innovation portfolios and transition from research to application.

Technical characterization

XRD, TEM/SEM, optical and Raman spectroscopy, microwave synthesis, thermal analysis and electrical testing.

WHY AARON WASHINGTON LABS

- National laboratory and private fusion-energy experience
- Technical leadership across multimillion-dollar R&D portfolios
- Science-to-strategy perspective with federal and industry partnerships

EXPERIENCE & CONTRACTING PROFILE

Selected leadership experience of Dr. Aaron L. Washington II

SELECTED EXPERIENCE AND DIFFERENTIATORS

SAVANNAH RIVER NATIONAL LABORATORY | 2009–2023

Principal Scientist, Project Manager and Interim Manager. Directed approximately $10M in R&D programs and managed approximately $5M in internal/external scope for a 21-person organization. Led detector, radiological containment, additive manufacturing and nuclear materials initiatives.

TOKAMAK ENERGY | 2023–2026

Technical Project Manager / Business Development Lead. Managed approximately $10M in U.S. non-equity funding projects and proposals involving DOE Milestone, INFUSE and ARPA-E programs; supported fusion commercialization, strategic partnerships and national-laboratory interfaces.

RESEARCH, IP & INDUSTRY ENGAGEMENT

Author/co-author of 27 peer-reviewed publications and inventor/co-inventor on 10+ issued or pending patents. Experience includes DOE and DHS S&T research, university partnerships and technical briefings to senior leadership.

NAICS CODES — ALIGNED SERVICE CATEGORIES

541715	R&D in Physical, Engineering & Life Sciences	**541614**	Process / Logistics Consulting
541713	R&D in Nanotechnology	**541330**	Engineering Services (proposed)
541690	Other Scientific & Technical Consulting	**541620**	Environmental Consulting (proposed)
541611	Administrative & General Management Consulting	**541714**	R&D in Biotechnology (existing listing; review fit)

COMPANY & CONTACT

Dr. Aaron L. Washington II, Ph.D.

President & CEO | Aaron Washington Labs, LLC

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www.aaronwashlabs.com

CAGE: 8PKZ3 | DUNS: 100180455

MBE status and SAM registration: verify current standing



2021 certificate artwork

Leadership experience is attributable to Dr. Washington; not represented as AWL contract past performance.