



<https://dualitysys.com>



[company/duality-sys/](https://www.linkedin.com/company/duality-sys/)



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Capabilities Statement

Duality Systems uses an artificial intelligence (AI) based platform to create resource and workforce optimization solutions for complex industries so that they can save time and money while reducing risk. We focus on two core capabilities: AI-driven business optimization software solutions and technology consulting. Our consulting services and software solutions leverage our core knowledge areas, each of which is supported by PhD-level expertise:

- **Operations Analytics:** A core of our software solutions is the application of advanced combinatoric AI algorithms and process automation workflows to streamline organizations, save costs, and reduce risks to gain a competitive edge. Our premier product in this space is Balance Scheduler which is marketed in the healthcare and energy industries and to the Department of Defense for operations, personnel, and logistics.
- **Artificial Intelligence:** We develop and own proprietary AI/ML algorithms for classification, learning and computer vision. Our goal with AI/ML is to tease out deep insights, enhancing business decisions and automations.

Differentiators

Duality Systems is a small business with elite PhD talent in high demand, high impact areas of interest. Our core technology is built off PhD research in optimization, risk analysis, and AI/ML. Our team has a unique mix of proven professionals in each knowledge area with backgrounds spanning leading research and innovation certification from Stanford University to vast experience in healthcare, government, human-centered design, and performing risk analysis and cyber mediation for Fortune 100 companies. Our optimization solutions capture and optimize processes for strategic outcomes with a degree of flexibility and nuance found nowhere else.

Past Performance

Duality Systems is a startup that has earned over \$4M in our first years through contracts for creating optimization, scheduling, and risk analysis solutions in commercial healthcare systems and military operations. We are a multiple SBIR awardee (Phase I, II, and III) for AI-optimized and automated scheduling solutions with the US Air Force, US Space Force, and US Space Command.

Contracting Vehicles

MDA SHIELD IDIQ, NASA SEWP, ITES, GSA and direct-award Phase III SBIR contracts.

Additionally, we are members of SpEC & NSTXL OTAs, Defense Industrial Base Consortium (DIBC), and Cornerstone Consortium.

Company Data

Duality Systems is a certified Service-Disabled Veteran Owned Small Business (SDVOSB) and Woman-Owned Small Business (WOSB) and is a member of the Colorado Springs Chamber of Commerce. We're a member of the ONEDev Consortium which delivers "best of breed" technology solutions for aerospace and defense and we are JCP certified to work with militarily critical technical data through 2028.

Business Registrations, Certifications, & POC

CAGE: 8QGU4 / UEI: EGNKMHNP9987

NAICS: 541715, 54175, 513210, 541511, 541512, 541611, 541720, 541519, 518210

Certified Service-Disabled Veteran Owned and Woman-Owned Small Business

JCP Certified to receive technical data, DD Form 2345 exp. 2028/12/15

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