

STATSENSE, LLC

ADVANCED STATISTICAL SOLUTIONS

Improving Quality | Reducing Variation | Driving Operational Excellence

Megan Pennington | Owner • Principal Statistician (865) 606-1883 statsensellc@gmail.com
www.statsensellc.com



NUCLEAR

DEFENSE

ENERGY

ADVANCED MANUFACTURING

REGULATED INDUSTRIES

COMPANY OVERVIEW

StatSense, LLC is a certified Woman-Owned Small Business (WOSB) providing data-driven quality, operational excellence, and statistical consulting services to nuclear, defense, energy, advanced manufacturing, and other highly regulated industries. Founded and led by a Master's-trained statistician with 19 years of experience, StatSense delivers rigorous, defensible analysis that supports informed decision-making, quality improvement, process performance, and high-consequence operations.

19 years statistical experience
Master's-trained statistician
DOE nuclear facilities & national defense programs
13 years technical group leadership
60+ engineers & production professionals trained in SPC/applied statistics

CORE COMPETENCIES

Statistical Process Control (SPC)

Process stability, capability, control-chart development, and variation reduction.

Measurement Systems Analysis (MSA)

Measurement system evaluation, gauge R&R, and data integrity support.

Design of Experiments (DOE)

Structured experimentation for process optimization, research, and prove-in.

Process Capability & Improvement

Capability studies and statistical methods that support quality and operational performance.

Custom Statistical Analysis & Data Visualization

Regression, probability, forecasting, time series, exploratory analysis, and clear visual communication.

Sampling & Environmental Statistics

Sampling plan development and statistical support for environmental and waste characterization.

EXPERIENCE & DIFFERENTIATORS

DOE Nuclear & National Defense Programs —

Statistical consulting and analytical support within nuclear manufacturing, government defense, and other high-consequence environments.

Process Prove-In & Qualification — Statistical support for process qualification, research and development, occupational health and safety, and waste characterization.

Technical Group Leadership — 13 years of experience leading specialized statistical teams and working collaboratively with engineers, scientists, quality professionals, and production teams.

Practical Statistical Expertise — Advanced methods translated into clear, actionable conclusions that support quality, engineering, and operational decisions.

Defensible, Data-Driven Analysis — Rigorous methodology and transparent analysis designed to support informed decisions and withstand technical scrutiny.

Integrated Quality & Operational Excellence — Connects SPC, process capability, measurement systems, experimentation, sampling, and data analytics to broader quality and improvement objectives.

WOSB • SBA CERTIFIED

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FEDERAL & PRIME CONTRACTOR SUPPORT

Positioned to support government agencies, prime contractors, subcontracting teams, and regulated organizations through flexible, project-based consulting engagements and applicable WOSB opportunities.