

Company: MicroHealth, LLC

Company Description: At MicroHealth LLC, we're a small business making a big impact in the federal IT space. Our team of executives, technologists, researchers, and informaticists have spent decades delivering solutions and services for federal departments, agencies, and the Uniformed Services. Our expertise ensures seamless integration, compliance, and operational efficiency across diverse industries.

Nomination Category: Technology Categories

Nomination Sub Category: Technology Team of the Year

Nomination Title: New Benchmark in Federal Property Data Quality

1. Which will you submit for this nomination, a video of up to five (5) minutes in length or a written essay of up to 650 words? Choose one:

Essay of up to 650 words

2. If you are submitting a video of up to five (5) minutes in length, provide the URL of the nominated video here, OR attach it to your entry via the "Add Attachments, Videos, or Links to This Entry" link above, through which you may also upload a copy of your video:

See essay

3. If you are providing a written essay for this nomination, submit in this space an essay of up to 650 words describing the nominee's accomplishments since 1 January 2023:

Total 603 words used.

For most small businesses, managing data about nuclear reactors would seem like a daunting task. But for MicroHealth, LLC, ensuring the accurate tracking and reporting of critical information for more than 700 Department of Energy DOE sites and 23,000 facilities is business as usual. This excellence was recently recognized with the prestigious GOVTECH CONNECTS Accelerate 2025 Award, validating their innovative approach to public sector technology transformation.

Through their innovative property management systems, MicroHealth helps DOE collect, maintain, and analyze essential data about everything from nuclear facilities and research labs to buildings, bridges, and transmission lines. This partnership has flourished over the years, leading DOE's real property management support with groundbreaking innovations in the Facilities Information Management System and Condition Assessment Information System.

Integrated System Architecture

FIMS serves as DOE's central database for all real property assets, tracking everything from land and buildings to bridges and transmission lines. It manages critical information about asset conditions, utilization, mission requirements, and operational costs. FIMS handles approximately 80% of the Department's real estate holdings, making it an essential tool for property management decisions.

CAIS complements FIMS by providing detailed condition assessments and cost estimates. The system processes data from visual inspections and uses RS Means costing data to model repair and replacement costs. This comprehensive approach helps DOE prioritize maintenance projects and make informed decisions about asset upgrades or replacements.

Innovation and Technical Excellence

The MicroHealth team pioneered the federal government's first real property data quality validation process, establishing a new standard for information accuracy and completeness. This systematic approach to data management earned recognition from the General Services Administration as a government-wide best practice, positioning DOE as the Office of Management and Budget's gold standard for data quality plans.

MicroHealth's technical expertise is demonstrated through their development of sophisticated data analysis and cost-estimation tools. Their independent module for construction projects processes complex datasets to generate accurate cost projections, while their customizable building models incorporate geographic adjusters and escalation multipliers to provide precise financial planning information. These innovations enable facility engineers to better forecast budgets and analyze long-term costs for maintenance planning across DOE's property portfolio.

Operational Excellence and Agility

MicroHealth's expertise in cloud infrastructure management ensures FIMS/CAIS systems maintain optimal performance in the AWS Cloud. This enables secure, real-time data updates and enhanced information sharing among DOE personnel, while maintaining perfect deliverable acceptance rates and consistent on-budget performance.

The team demonstrated exceptional responsiveness to OMB's new daily occupancy tracking requirements. While similar data collection changes typically require months to implement, MicroHealth rapidly developed comprehensive guidance while simultaneously creating software solutions to automate the process. This approach exemplifies their ability to meet immediate data compliance needs while building sustainable long-term solutions.

Impact and Future Growth

Their success in standardizing property data management, demonstrated during the CAIS presentation to the Naval Reactors Office, shows potential for broader federal adoption. This could extend DOE's proven methodology for condition assessment data collection and analysis to other federal agencies.

The MicroHealth Team has significantly enhanced DOE's ability to make data-driven property management decisions through improved information accuracy, comprehensive reporting capabilities, and optimized resource allocation analysis. Their innovative approach to systems maintenance and data validation has created a model for federal asset information management that combines technical excellence with practical usability.

By integrating multiple software development methodologies and maintaining rigorous data quality standards, MicroHealth has created a scalable solution for one of the government's most complex property information management challenges. Their success in handling sensitive data from nuclear facilities, research laboratories, and critical infrastructure demonstrates their unique ability to manage complex information systems while delivering measurable improvements in federal asset management.

4. In bullet-list form (up to 150 words), provide a brief summary of up to ten (10) of the nominee's chief achievements since 1 January 2023:

Total 150 words used.

- Pioneered federal government's first real property data quality validation process, recognized as GSA's best practice and achieving OMB's gold standard for data quality plans
- Received the GOVTECH CONNECTS Accelerate 2025 Award for excellence in public sector technology transformation
- Manages property data for 700+ DOE sites and 23,000+ facilities through FIMS/CAIS systems in AWS Cloud, covering 80% of DOE's real property portfolio
- Secured new ATO for FIMS/CAIS applications [REDACTED FOR PUBLICATION]
- Developed innovative cost-estimation tools integrating RS Means data for 50-year maintenance forecasting
- Successfully demonstrated CAIS methodology to Naval Reactors Office, enabling potential cross-agency adoption
- Created customizable building models with geographic adjusters for precise replacement cost calculations
- Implemented rapid-response system for OMB's daily occupancy tracking requirements
- Developed hybrid test framework integrating multiple development methodologies for optimal system performance
- Achieved perfect milestone completion rate with 6/6 contractual requirements delivered on schedule

Attachments/Videos/Links:

[New Benchmark in Federal Property Data Quality](#)

[REDACTED FOR PUBLICATION]