



Heidi A. Hughes

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EXPERIENCE

Heidi Hughes established Spatial Technologies as a sole proprietor in 2002, and incorporated with her sister, Sherry Hughes, as a LLC in 2005. Today Spatial Technologies, LLC thrives as a service disabled veteran and woman owned small business, which has realized growth in excess of 100% per year since 2003. Spatial Technologies, LLC is a Geographic Information System (GIS) centered corporation that offers a broad range of services to Department of Defense, regional government agencies and private industry alike.

Heidi's role as president and project manager for Spatial Technologies, LLC has honed her expansive knowledge of program life-cycles and project management disciplines. Responsibilities include project estimating and contract negotiations, new program design and implementation, ongoing project reporting and maintenance, project accounting and invoicing, customized training program development, professional training certification programs, GIS application research and development, extensive GIS software knowledge and corporate and client website design and management.

Spatial Technologies, LLC

Project Manager / President

- Responsibilities
 - RFP bid processing & analysis, new project research & development
 - Project reporting, delivery and customer support coordination
 - Proposal drafting, project cost estimating & scheduling, invoice preparation and submittal
 - Corporate & client promotions, marketing, accounting and bookkeeping
 - QC/QA procedure development, implementation and employee training

Software Instructor

- Responsibilities
 - Air Force Communication & Engineering Association (AFCEA) Training at over 20 installations
 - Development of Department of Defense specific training curriculums and materials, focusing on specific military duties requiring the integration and utilization of GIS data and software platforms
 - Authorized ArcGIS Instructor, development of customized ArcGIS training courses to fit DOD, local government and private industry GIS programs
 - Taught over 65 specialized training courses at military installations worldwide. Installations include Fort Rucker, MacDill AFB, Patrick AFB, Tyndall, Langley, Andrews, Cape Canaveral, Buckley, Osan & Kunsan
 - Developed customized course for Geographic Information Officer (GIO) training for the USAF AETC MAJCOM



Technical Oversight

- Responsibilities
 - Administration and support of the ArcSDE Enterprise Geodatabase in use by the USAF 45th Space Wing GeoBase program. Heidi is directly responsible to the Wing Geographic Integration Officer (GIO) for the execution of the technical contract requirements mandated for to carry out the production, support and maintenance of the enterprise Geodatabase hosting the civil engineering and environmental GIS data
 - Oversight of the support and maintenance of the Oracle 10g database that is used to store the spatial data hosted by ESRI's ArcSDE services
 - Lead team of analysts tasked with the conversion of the Communication's Squadron outside cable plant network from the legacy CAD and hard copy data into a GIS. Tasks included GPS data capture and processing, auditing and inspection of cable assets in the ground, digitization of hard copy drawings, conversion of CAD data, development of GIS application to support a 235 user community

SOFTWARE EXPERIENCE

Full suite of ArcGIS software 9.2 – 3.x, Spatial Analyst, 3D analyst, Garmin GPS, Microsoft Office Applications (Word, Excel, Access, Visio, and Outlook), Microsoft Project, Adobe Acrobat, Adobe Photoshop, experience with many others

