

**11-TTAG-035**

<b>Company Name</b>	Aerotech Machine Corp.
<b>NAICS</b>	336411
<b>Address</b>	2585 North Central Avenue
<b>City</b>	Batesville
<b>State</b>	AR
<b>ZIP</b>	72501-8650
<b>County</b>	Independence
<b>Number of Employees</b>	11
<b>Year Established</b>	2004
<b>Company Web Site</b>	<a href="#">The Manufacture and Fabrication of Metal Products, including CNC Machining, Sheet Metal Cutting and Forming, and Finishing Operations.</a>
<b>Contact Person</b>	Joe Parks
<b>Title</b>	Plant Manager
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<b>Secondary Contact Title</b>	CEO
<b>Secondary Contact Phone</b>	(870) 307-0793

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<b>Resource Provider</b>	Saunders Consulting Service, Inc.
<b>RP Address</b>	16551 Birch Lane
<b>RP City</b>	Rogers
<b>RP State</b>	AR
<b>RP ZIP</b>	72756
<b>RP County</b>	Benton
<b>RP Project Contact</b>	Steve W. Saunders
<b>RP Title</b>	President / CEO
<b>RP Phone</b>	(479) 409-4997
<b>RP Email</b>	<a href="mailto:stvsnd@aol.com">stvsnd@aol.com</a>
<b>RP Fax</b>	(479) 409-4997
<b>Project Area</b>	<a href="#">Advanced Materials and Manufacturing Systems - 4 - Other Advanced Materials and Manufacturing Systems (Please Provide short description in box provided below)</a>
<b>Project Area Brief Description</b>	Aerotech Machine Corp. offers all lines of CNC machining, precision milling and turning, and some metal finishing operations.
<b>Federal Agency</b>	- Not Applicable -
<b>Project Title</b>	11-TTAG-035 - AS 9100 Rev. C Upgrade from Rev. B
<b>Competitive Challenges</b>	This company needs assistance from the resource provider to identify, develop, and implement missing processes from the Rev. B AS 9100 Standard in order to upgrade to the requirements with the AS 9100 Rev. C

	<p>Standard.</p> <p>The first step in the development and implementation process is to perform a Gap Analysis. Once the processes have been identified, the resource provider will assist with ideas for developing and implementing missing aspects from the current Quality System. This will be done by submitting a detailed report of the Gap Analysis results, with suggestions to build a new Quality System that meets the AS 9100 Standard requirements.</p> <p>Additional steps for Aerotech will be to revise the existing Quality Systems Manual, develop additional procedures as needed, and work instructions identified by the Gap Analysis.</p> <p>Aerotech has customers that have indicated that existing work and additional work will be given to Aerotech as long as AS 9100 Rev. C certification is obtained.</p>
<p><b>Specific Problem</b></p>	<p>Aerotech needs to understand exactly what processes and activities to implement in order to successfully complete an AS 9100 Rev. C registration audit. This gap analysis will identify the gaps between Aerotech's existing AS 9100 Rev. B quality management system and the requirements of AS 9100 Rev. C.</p>
<p><b>Solution</b></p>	<p><b>The Gap Analysis the revised Quality Manual, and the new procedures and/or work instructions will increase success with project implementation and assist in the identification of problem areas, the correction of those identified areas, streamlining of operations, and increase the overall efficiency of all processes.</b></p> <p><b>The successful development and implementation of the upgraded AS 9100 Rev. C Standard requirements will impact the manufacturing operations at Aerotech by increasing efficiency and effectiveness.</b></p>

<b>Implementation Plan</b>	<p>Steve will use the AS 9101 (rev. D) checklist to perform an in-depth Gap Analysis. Interviews with employees about the processes will be done.</p> <p>Notes will be taken to compile into a final report for submission to the Aerotech mgt. group.</p>
<b>Maintenance Plan</b>	<p>Once Saunders Consulting Service, Inc. has completed this Gap Analysis, Steve Saunders and the Aerotech management group and all employees will continue with the development and implementation of the established upgrade requirements to the Quality System.</p> <p>Through the suggestions listed in the Gap Analysis report, the Internal Audit process, employee meetings, and Corrective Actions the newly developed procedures, work instructions, and forms will be used.</p> <p>Additionally, annual audits by a 3<sup>rd</sup> party Registrar will take place to ensure that the established Quality System has been upgraded properly to the new Rev. C requirements. The current Registrar (NSF) will conduct a 3<sup>rd</sup> party Audit to the requirements of the new AS 9100 Rev. C Standard at the next scheduled surveillance audit.</p>
<b>Step 1</b>	<p><b><i>Review the current documentation from the established AS 9100 Rev. B Quality System against the requirements of the AS 9100 Rev. C Standard.</i></b></p>
<b>Step 1 Time</b>	<p>4.00</p>
<b>Step 1 Budget</b>	<p>\$300</p>
<b>Step 2</b>	<p><b><i>Perform the Gap Analysis review of the processes as outlined in the current procedures and in accordance with the AS 9100 Rev. C Standard.</i></b></p> <p><b><i>Review results, organize notes, in preparation for final reporting of items to assist with development of new procedures and/or work instructions to meet the requirements of the AS 9100 Standard.</i></b></p>

	<i>Prepare a final report of the Gap Analysis Audit results and submit/review with Aerotech's top management. Assist with actions to address identified missing elements.</i>
Step 2 Time	8.00
Step 2 Budget	\$600
Step 3	<p><i>Assist with revisions to the Quality Systems Manual in order to meet the AS 9100 Rev. C upgrade.</i></p> <p><i>Assist with development and implementation of new work instructions and revisions to procedures.</i></p> <p><i>Suggest items to review and implement the new procedures and work instructions to ensure effective application in accordance with the upgraded AS 9100 Rev. C Standard requirements.</i></p>
Step 3 Time	55.00
Step 3 Budget	\$4,100
Increased Sales	\$150,000
Retained Sales	\$180,000
CS Inventory	\$10,000
CS Labor	\$40,000
CS Materials	\$0
CS Other	\$0
II Plant	\$300,000
II IS	\$5,000

<b>II Workforce</b>	\$7,000
<b>II Research</b>	\$0
<b>II Other</b>	\$0
<b>AUI</b>	\$50,000
<b>SOI</b>	\$0
<b>Job Retention</b>	11
<b>Job Creation</b>	0
<b>YN 90Days</b>	Yes
<b>YN Affiliation</b>	No
<b>YN Agreement</b>	No
<b>YN Total Project Price</b>	Yes
<b>Explain Total Project Price</b>	
<b>YN Cash Match Agreement</b>	Yes
<b>Copied</b>	No
<b>TTAG ID</b>	11-TTAG-035
<b>Signature Panel - RP AR Name</b>	Steve W. Saunders
<b>Signature Panel - RP AR Email</b>	<a href="mailto:stvsnd@aol.com">stvsnd@aol.com</a>
<b>Signature Panel - Enterprise AR Name</b>	Joe Parks
<b>Enterprise - Email</b>	.....

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<b>Include in Batch</b>	Yes
<b>Batch Number</b>	NA
<b>Application Status</b>	Pending
<b>Organization</b>	AMS
<b>BatchTest</b>	Processed
<b>Batch Date</b>	
<b>Set Batch Number</b>	
<b>Lvl4</b>	Yes
<b>Application Description</b>	1-Quality Projects
<b>SBIR-STTR</b>	No

