

# DDI Engineering

phone: (989) 790-9411  
fax: (989) 790-0824

3195 Christy Way  
Saginaw, MI 48603-2213

web: [www.ddiengineering.com](http://www.ddiengineering.com)

**Control Systems**

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**Mechanical Design**

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**Field Service**

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## Company Overview

DDI Engineering has been in business since 1987 and has 20 years of experience providing industry with mechanical engineering and electrical engineering, finite element analysis, design and build, system integration, field service, start-up, and de-bug for a wide variety of processing systems, industrial machinery and equipment. Some specific applications that we provide engineering for are: chemical processing equipment, plastics processing equipment, test and assembly machinery and equipment, metal removal machinery and energetic processing equipment.

### **DDI Engineering's Products and Services:**

#### **Mechanical Engineering:**

Special Machine design, detail and check, tooling, fixture and gage design, die design, mixing screw design, project management, engineering analysis, finite element analysis, math modeling for flow characteristics, AutoCAD, Solid Works, Inventor, Solid Edge.

#### **Electrical Engineering:**

Control systems for the manufacturing and process industries including design, build, install, start-up, maintenance, calibration and field service.  
Electrical, Pneumatic, Hydraulic and Instrumentation.  
Software and Hardware- complete programming and documentation services.  
Man/Machine interface, PC's, PLC's, Documentation  
Control Panel design and build.

#### **Contract Engineers:**

Software Engineers, Systems Engineers, Mechanical Engineers, Manufacturing Engineers, Project Managers, Designers, Drafters, CAD Operators, and other technical personnel.

The primary engineering disciplines (PED) that DDI can supply are Mechanical and Electrical for SIN #'s 871-2, 871-3 and 871-4. In addition, as a sub-contractor through our customers we have provided engineering, design and build for various energetic processing systems for various department of defense arsenals. A recent project was a 40mm Universal Multi-flex Extrusion Platform for the Picatinny Arsenal in New Jersey.



*Providing High Quality Engineering Solutions to Industry since 1987*

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**The specific services being offered for each SIN/discipline are as follows:**

**SIN 871-2, PED Electrical, (Concept Development & Requirements Analysis):**

DDI can development the concepts, requirements and specifications for electrical control systems, hardware, software, programming, integration and implementation, interface with other processes, etc. used to control machinery and equipment that are used in various processes such as the mixing and extrusion machinery and processes used to produce rocket propellant or other energetics materials. This can be applied to new processes and machinery as well as for existing processes and machinery. This would include all necessary electrical, hydraulic, pneumatic and computer needs.

**SIN 871-2, PED Mechanical, (Concept Development & Requirements Analysis):**

DDI can development the concepts, requirements and specifications for the machinery, tooling, and equipment used in various processes such as mixing and extrusion equipment for energetics, automation, any type of special industrial machinery and equipment.

**SIN 871-3, PED Electrical, (System design, Engineering and Integration):**

DDI can design, build, start-up, trouble shoot and integrate electrical control systems used to control the processes, machinery and equipment that are used in various processes such as the systems used to produce rocket propellant or other energetics materials. This can be applied to new processes and machinery as well as for existing processes and machinery.

**SIN 871-3, PED Mechanical, (System design, Engineering and Integration):**

DDI can engineer, design and produce detailed drawings for the machinery, tooling, and equipment used in various processes such as mixing and extrusion equipment for energetics, as well as applications involving automation and other special industrial machines and equipment.

**SIN 871-4, PED Electrical, (Test and Evaluation):**

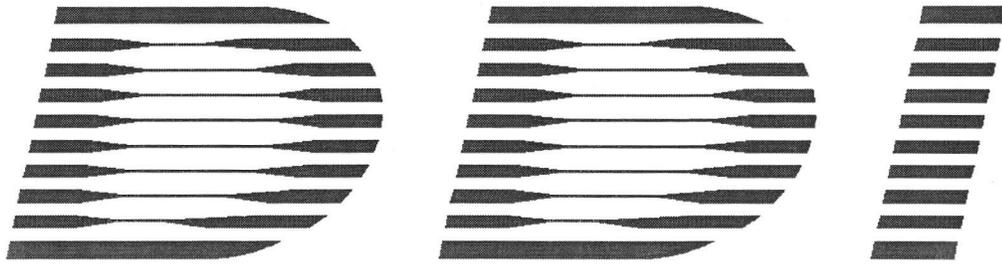
DDI can provide functional testing and evaluation for compliance and commissioning of control systems used for various processes such as the systems used to control machinery and equipment used to produce energetics materials .

**SIN 871-4, PED Mechanical, (Test and Evaluation):**

DDI can provide test and evaluation for mechanical systems, equipment and machinery such as the machinery and equipment used to process energetcis.



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**Schedule for - Professional Engineering Services (PES)**

**Federal Supply Group: 871      Class: R425**

**Contract Number: GS-10F-0246U**

**For more information on ordering from Federal Supply Schedules  
click on the FSS Schedules button at <http://www.fss.gsa.gov>**

**Contract Period: May 28, 2008 through May 27, 2013**

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**Contractor:** SED Design, Inc. (DBA: DDI Engineering)  
3195 Christy Way South  
Saginaw, MI 48603

**Business Size:** Small, HUBZone Business

**Telephone:** (989) 790-9411

**Extension:**

**FAX Number:** (989) 790-0824

**Web Site:** [www.ddiengineering.com](http://www.ddiengineering.com)

**E-mail:** [jduperon@ddiengineering.com](mailto:jduperon@ddiengineering.com)

**Contract Administration:** Josh Duperon

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## **DDI Engineering Information:**

- 1a. Table of Awarded Special Item Number(s) with appropriate cross-reference to page numbers: 871-2-3-4 (EE, ME) 871-2-3-4 (RC)
- 1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Those contracts that have unit prices based on the geographic location of the customer, should show the range of the lowest price, and cite the areas to which the prices apply.
- 1c. If the Contractor is proposing hourly rates a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided. If hourly rates are not applicable, indicate "Not applicable" for this item.
2. Maximum Order: \$750,000.00
3. Minimum Order: \$100.00

## **(CUSTOMER INFORMATION: Continued)**

4. **Geographic Coverage (delivery Area):** Domestic and Overseas
5. **Point(s) of production (city, county, and state or foreign country):** Same as company address
6. **Discount from list prices or statement of net price:** Government net prices (discounts already deducted). See Attachment.
7. **Quantity discounts:** None Offered
8. **Prompt payment terms:** Net 30 days
- 9a. **Notification that Government purchase cards are accepted up to the micro-purchase threshold:** Yes
- 9b. **Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold:**
10. **Foreign items (list items by country of origin):** None
- 11a. **Time of Delivery (Contractor insert number of days):** Specified on the Task Order
- 11b. **Expedited Delivery.** The Contractor will insert the sentence “Items available for expedited delivery are noted in this price list.” under this heading. The Contractor may use a symbol of its choosing to highlight items in its price list that have expedited delivery: Contact Contractor
- 11c. **Overnight and 2-day delivery.** The Contractor will indicate whether overnight and 2-day delivery are available. Also, the Contractor will indicate that the schedule customer may contact the Contractor for rates for overnight and 2-day delivery: Contact Contractor
- 11d. **Urgent Requirements.** The Contractor will note in its price list the “Urgent Requirements” clause of its contract and advise agencies that they can also contact the Contractor’s representative to effect a faster delivery: Contact Contractor
12. **F.O.B Points(s):** Destination
- 13a. **Ordering Address(es):** Same as Contractor
- 13b. **Ordering procedures:** For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA’s), and a sample BPA can be found at the GSA/FSS Schedule homepage ([fss.gsa.gov/schedules](http://fss.gsa.gov/schedules)).
14. **Payment address(es):** Same as company address
15. **Warranty provision.:** Contractor’s standard commercial warranty.
16. **Export Packing Charges (if applicable):** N/A
17. **Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level):** Contact Contractor
18. **Terms and conditions of rental, maintenance, and repair (if applicable):** N/A
19. **Terms and conditions of installation (if applicable):** N/A

## (CUSTOMER INFORMATION: Continued)

20. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable): N/A
- 20a. Terms and conditions for any other services (if applicable): N/A
21. List of service and distribution points (if applicable): N/A
22. List of participating dealers (if applicable): N/A
23. Preventive maintenance (if applicable): N/A
- 24a. Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants: N/A
- 24b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contactor's website or other location.) The EIT standards can be found at: [www.Section508.gov/](http://www.Section508.gov/).
25. Data Universal Numbering System (DUNS) number: 60-4577254
26. Notification regarding registration in Central Contractor Registration (CCR) database: Registered

### GSA Pricing Schedule for:

SED Design Inc., d.b.a. DDI Engineering	SIN 871-2 PED's Mechanical and Electrical SIN 871-3 PED's Mechanical and Electrical SIN 871-4 PED's Mechanical and Electrical
Labor Categories	2008 GSA Rates
<b>E1</b> Program Manager Field Service Engineer Senior Project Engineer	\$75/hr
<b>E2</b> Sr. Electrical Engineer Sr. Mechanical Engineer Project Engineer	\$60/hr
<b>E3</b> Electrical Engineer Mechanical Engineer Machine Designer Electrical Designer	\$50/hr
<b>E4</b> (Entry Level Engineer) <i>3 levels</i>	\$45/hr
<b>T1</b> Sr Electrician Sr Technician	\$55/hr
<b>T2</b> Electrician Technician	\$45/hr

**Labor Category Descriptions  
for  
SED Design Inc., d.b.a. DDI Engineering**

Labor Categories	Minimum Education Degrees must be in Mechanical Engineering Electrical Engineering Computer Science or related areas.	Min. Years Exp.	Labor Qualifications
<b>E1</b> Program Manager Field Service Engineer Senior Project Engineer	Bachelor Degree	12	<b>Minimum/General Experience:</b> Experience in the analysis, planning, quoting, design, development, and support of integrated mechanical and/or electrical systems for a variety of industrial machinery and equipment. Must have at least ten years in a leadership position providing technical expertise for the type of project that is being managed. Capabilities include the management of project schedule, project budget, technical performance and to organize and maintain all necessary project documentation. Must have a high level of communication and oral skills. Must have the ability to develop the team to perform the project to meet the customers needs. Must have a proven record of the ability to maintain high quality services that meets the satisfaction of the customer. This position is the main contact between the customer and DDI Engineering and demands maintaining the highest integrity and quality with our customers.
	Advanced Degree	10	
	Associates Degree	20	
<b>E2</b> Sr. Electrical Engineer Sr. Mechanical Engineer Project Engineer	Bachelor Degree	9	<b>Minimum/General Experience:</b> Experience in the analysis, planning, quoting, design, development, and support of integrated mechanical and/or electrical systems for a variety of industrial machinery and equipment. Must have at least seven years in a leadership position providing technical expertise for the type of project that is being worked on. Must have a high level of communication and oral skills. Must have a proven record of the ability to maintain high quality services that meets the satisfaction of the customer. Duties include assisting the Sr. Project Engineer with all aspects of the project as needed.
	Advanced Degree	7	
	Associates Degree	14	
<b>E3</b> Electrical Engineer Mechanical Engineer Machine Designer	Bachelor Degree	6	<b>Minimum/General Experience:</b> Mechanical: Experience in designing mechanical machinery and equipment, capable of producing detailed drawings and specifications. Good CAD skills required. Capable of communicating clearly orally and in writing. Must have the
	Advanced Degree	4	

## (CUSTOMER INFORMATION: Continued)

Electrical Designer	Associates Degree	9	ability to work in a team environment. Must have at least four years of experience designing the type of machinery and equipment involved in the project being worked on.  Electrical: Experience with designing and servicing control systems for a variety of industrial machinery and equipment. Must be skilled in software and hardware design with the ability to develop program logic. Capable of communicating clearly orally and in writing. Must have the ability to work in a team environment. Must have at least four years of experience designing the type of machinery, equipment and control systems involved in the project being worked on.
	High School or GED	15	
E4 (Entry Level Engineer)	Bachelor Degree	2	<b>Minimum/General Experience:</b> Entry level of professional work. Must be working toward or already have a technical degree. Must have at least two years of experience designing the type of machinery and equipment involved in the project being worked on.
	Advanced Degree	2	
	Associates Degree	5	
T1 Sr Electrician Sr Technician	Associates Degree	5	<b>Minimum/General Experience:</b> Experience in the installation, testing, servicing and maintenance of systems, equipment, computers, programs and associated peripherals. Experienced in troubleshooting, repairing, testing, and calibrating engineering equipment and computer systems. Broad knowledge of applicable test equipment, specialized tools, equipment, machines and computer hardware, software and peripherals. Experienced in planning, monitoring, managing and teaching various tasks and activities. Capable of communicating clearly orally and in writing.
	High School or GED	10	
T2 Electrician Technician	Associates Degree	2	<b>Minimum/General Experience:</b> Experience in the installation, testing, servicing and maintenance of systems, equipment, computers, programs and associated peripherals. Experienced in troubleshooting, repairing, testing, and calibrating engineering equipment and computer systems. Broad knowledge of applicable test equipment, specialized tools, equipment, machines and computer hardware, software and peripherals. Experienced in planning, monitoring, managing and teaching various tasks and activities. Capable of communicating clearly orally and in writing.
	High School or GED	4	