The School District City of Erie, PA

July 2025

 Bidder Must Deposit With

 Bid – **CERTIFIED CHECK** Or

 BID BOND 5% of Total Bid

**BID ON –** Bosch Engine Control System (BOSCH MOTRONIC MED 7.5.10) and Associated Training

## The Board of Directors

of the School District

of the City of Erie, PA

Gentlemen:

 We, the undersigned, propose to furnish and install the following **BID** Bosch Engine Control System (BOSCH MOTRONIC MED 7.5.10) and Associated Training

**:**

 DOLLARS ($\_\_\_\_\_\_\_\_\_\_\_\_\_)

 Bids shall be sealed and endorsed on the envelope, or on the subject line on electronic submissions, **“**Bosch Engine Control System (BOSCH MOTRONIC MED 7.5.10) and Associated Training

**”** and delivered to School District of the City of Erie, Administration Building,1910 Sassafras Street, Erie, PA 16502, Board Secretary Office, ATTN: BIDS, by August 5th by 11:00 am. Bids shall be delivered in either person, via USPS, a contract carrier such as UPS, FedEx, etc., or via electronic submission to bids@eriesd.org.  Late bids will be rejected.  Bids will be opened utilizing an online format on August 5th at 11:30. Award of bid may be made at the regular meeting of the Board onAugust 13th, 2025 at 6:00 pm.

The School District will conduct the bid opening utilizing an online format at the date and time identified above. The School District will provide interested proposers with a link to participate in the bid opening. If an interested proposer requires reasonable accommodations to participate in an online format bid opening due to a disability, if the interested proposer wishes to participate in the meeting but does not have internet access, or if a member of the public wishes to view the opening electronically, contact Neal Brokman, Assistant Superintendent, at nbrokman@eriesd.org.

The Board of School Directors will consider accepting the bid of the lowest responsible bidder meeting specifications, kind, quality and material being equal, but shall have the right to reject any and all bids and to waive defects in form. The Board is not obligated to accept the lowest or any other bid.

 Respectfully submitted:

The School District City of Erie, PA

***Dr. Natalyn Gibbs District Administration Building***

***Superintendent of Schools 1910 Sassafras Street Erie PA 16502***

# GENERAL CONDITIONS

Bids shall be submitted on the Bidding Blank attached hereto, and should be submitted through the means identified on the Bidding Blank.

 No bids will be entertained unless accompanied by a deposit, as a **CERTIFIED CHECK or BID BOND** in the amount of five per cent (5%) of the total bid, made payable to The School District City of Erie and enclosed in the envelope containing the bid.

 No bid received can be withdrawn prior to the close of the regular meeting of the Board of School Directors next succeeding the opening of the bids. Bidder agrees that the School District of the City of Erie shall have up to sixty (60) days to accept or reject the bid and bidder agrees that the bid quote shall remain open for that period. The Board of School Directors may reject any bid, or portion of any bid, for any reason or no reason.

 The special attention of the bidders is directed to the fact that no claims for relief on account of mistakes or omissions in the bidding will be considered and the contractors will be held strictly to their bids, or, alternatively, and at the sole discretion of the Board of School Directors, their deposit may be forfeited. In addition to other remedies available to the School District, the deposit shall be forfeited if the successful bidder fails to execute an agreement or perform as required.

 **Standard of Quality**: The specific mention of a manufacturer’s name shall be understood to indicate a standard of quality or design, and not as limiting competition thereon or excluding other goods equal in every respect to the materials or goods specified in the opinion of the Controller or his designee. If you do not bid on our specifications as listed, please fill in manufacturer’s name and model number of items you intend to furnish as an equal alternate. The Career and Technical Educational Director, or his designee, shall determine, in his sole discretion, whether the alternate item is an approved equal.

 Bidders are to submit prices on both the rate and the total. Bidders please indicate length of time prices will remain firm. If a “Rate” is given on an item, a “Total” must be given on the item. Awards may be made item by item and bidders hereby agree to furnish the items awarded to them. All supplies furnished upon the contract not up to specifications will be rejected.

 All charges for transportation, freight, express and parcel post are to be paid by the successful bidder. It is understood that the bidder agrees to deliver any items on which bids are accepted.

 Completion of contract shall not exceed sixty days after award is made. The successful bidder will be required to execute a contract with the School District if identified as the apparent low bidder. A fully executed contract must be received by the School District prior to final award by the Board of School Directors. The form of the contract is enclosed with this bid packet.

 All items to be delivered to the Erie High School. If you have any questions, please contact Jason Burgert, Career and Technical Education Director at 814-874-6225 or jburgert@eriesd.org.

**SPECIFICATIONS**

The following specifications are approved by the Board of Directors for purchase or approved equal as approved by the Career and Technical Education Director.

|  |
| --- |
|  **MSFSI01 ASE: A1**  |
| **Description US**  |

**E**ngine Control System BOSCH MOTRONIC MED 7.5.10 (FSI) Educational Trainer MSFSI01

The Engine Control System BOSCH MOTRONIC MED 7.5.10 (FSI) Educational Trainer is a fully functional training tool designed for in-depth technical education. It features an integrated direct gasoline injection system, visible fuel pump operation, adjustable air flow simulation, and over 20 fault code simulations. Mounted on an aluminum frame with OEM components, this trainer enables precise monitoring, diagnostics, and measurements of various engine control parameters, making it ideal for advanced automotive training programs. Value for Students

* Engage with a fully operational engine control system that mirrors real-world scenarios, providing a realistic training experience with OEM Audi/VW parts.
* Explore the structure and functionality of the BOSCH MOTRONIC MED 7.5.10 system, including the operation of injectors, fuel pressure sensors, and ignition coils.
* Perform real-time diagnostics using an OBD 16-pin diagnostic connector, enabling the identification and clearing of fault codes, ECU configuration, and live data monitoring.
* Utilize the training board's integrated TFT voltmeter to measure and monitor electrical signals from key components, such as the G70 Air-mass flow meter, G235 Exhaust gas temperature sensor, and G212 Exhaust gas recirculation potentiometer.
* Gain expertise in troubleshooting by simulating over 20 system faults through removable banana plug jumpers, providing insights into engine behavior and fault code generation.
* Study the impact of variables such as air pressure, coolant temperature, and crankshaft speed on engine performance, allowing for a thorough understanding of the engine's operational parameters. Value for Instructor
* Provide students with a realistic and practical understanding of modern engine control systems using a fully functional BOSCH MOTRONIC MED 7.5.10 system.
* The trainer's robust construction and mobility ensure easy integration into any classroom setting, allowing for simultaneous use by multiple students and promoting collaborative learning.
* Utilize the detailed wiring diagrams, integrated fault simulation, and real-time diagnostic capabilities to effectively teach complex automotive concepts and enhance students' diagnostic skills.
* Simplify lesson planning with a trainer that requires minimal setup, allowing for quick and efficient lesson preparation and execution.

# Features

* Integrated engine control system BOSCH MOTRONIC MED 7.5.10 with direct gasoline injection (FSI), based on Audi/VW OEM components.
* Fault code simulation allows simulation of more than 20 system faults, enabling detailed study of fault codes and their impact on engine performance.
* TFT Voltmeter integrated display for monitoring voltage signals from key sensors and actuators, with a rotary switch for easy selection of components.
* OBD diagnostic connector allows ECU identification, fault code management, live data display, and actuator testing through a 16-pin diagnostic connector.
* Transparent fuel system: Low-pressure fuel pump integrated into a transparent tank, allowing visible study of fuel supply and pressure regulation.
* Adjustable air flow rate simulator and engine crankshaft speed control for studying the impact of various parameters on engine operation. Specifications
* Dimensions: 71.65 in × 53.54 in × 19.69 in
* Weight: approx. 231 lb
* Power supply: US 110 V (220 V available)
* Optional Accessories: Examination console for 10 hidden fault simulations, vacuum/pressure pump, automotive oscilloscope, OBD diagnostic scan tool • Product number: MSFSI01

NAME OF VENDOR

ADDRESS

CONTACT PERSON

TELEPHONE NUMBER

First, the undersigned having carefully examined the **Bid** Bosch Engine Control System (BOSCH MOTRONIC MED 7.5.10) and Associated Trainingin accordance with the specifications of the proposal, submits this proposal and agrees to furnish and perform the specified Bosch Engine Control System (BOSCH MOTRONIC MED 7.5.10) and Associated Training for the School District of the City of Erie for the amounts indicated on page 1 of the Bid.

Second, the undersigned agrees to enter into a written contract to furnish such materials and services as required in the proposal specifications.

Third, the following quotation prices are listed as firm for a period of \_\_\_\_\_\_\_\_\_\_ after the due date of this request for bid.

**NOTE: The School District of the City of Erie will not be liable and will not pay for any applicable costs not included and detailed in the Bid.**

Signature

Date

Title or Office

**INSTRUCTIONS FOR NON-COLLUSION AFFIDAVIT**

1. This Non-Collusion Affidavit is material to any contract awarded pursuant to this RFP. According to the Pennsylvania Antibid-Rigging Act. 73 P.S. 1611 et seq. governmental agencies may require Non-Collusion Affidavits to be submitted together with bids or RFP’s.
2. This Non-Collusion Affidavit must be executed by the member, officer or employee of the Vendor who makes the final decision on prices and amounts quoted in the RFP.
3. Bid/RFP rigging and other efforts to restrain competition, and the making of false sworn statements in connection with the submission of bids or RFP’s are unlawful and may be subject to criminal prosecution. The person who signs the affidavit should examine it carefully before signing and assure himself/herself that each statement is true and accurate, making diligent inquiry, as necessary, of all other persons employed by or associated with the Vendor with responsibilities for the preparation, approval, or submissions of the RFP.
4. In case of a RFP submitted by a joint venture, each party to the venture must be identified in the RFP/Bid documents, and an affidavit must be submitted separately on behalf of each party.
5. The term “complementary RFP” as used in the Affidavit has the meaning commonly associated with that term in the bidding/RFP process, and includes the knowing submission of RFP’s higher than the RFP of another Vendor, any intentionally high or noncompetitive RFP, and any other form of RFP submitted for the purpose of giving a false appearance of competition.
6. Failure to file an Affidavit in compliance with these instructions will result in disqualification of the RFP.

**NON-COLLUSION AFFIDAVIT**

**BID ON –** Bosch Engine Control System (BOSCH MOTRONIC MED 7.5.10) and Associated Training

State of

County of

I state that I am of

 (Title) (Name of Vendor)

and that I am authorized to make this affidavit on behalf of my company, and its owners, directors, and officers, I am the person responsible in my company for the price(s) and the amount of this Request for Proposal (RFP).

I state that:

1. The price(s) and amount of this RFP have been arrived at independently and without consultation, communication, or agreement with any other Vendor.
2. Neither the price(s) nor the amount of this RFP, and neither the approximate price(s) nor the approximate amount of this RFP, have been disclosed to any other Vendor, and they will not be disclosed before the RFP submission to The School District of the City of Erie.
3. No attempt has been made or will be made to induce any Vendor or person to refrain from submitting an RFP to The School District of the City of Erie, or to submit an RFP higher than this RFP, or to submit any intentionally high or noncompetitive RFP or other form of complementary RFP.
4. The RFP of my company is made in good faith and not pursuant to any agreement or discussion with or inducement from, any Vendor or person to submit a complementary or other noncompetitive RFP.
5. , its affiliates, subsidiaries, officers, directors and employees

 (Name of my Company)

are not currently under investigation by any governmental agency and have not in the last four years been convicted or found liable for any act prohibited by State or Federal law in any jurisdiction, involving conspiracy or collusion with respect to submitting an RFP to any public entity, except as follows:

I state that understand and acknowledges that the above

 (Name of my Company)

representations are material and important, and will be relied on by The School District of the City of Erie when recommending for award the agreement for which this RFP is submitted, I understand and my company understands that any misstatement in this affidavit is and shall be treated as fraudulent concealment from the School District of the City of Erie of the true facts relating to the submission of RFP’s for this agreement.

Signature of Authorized Person

(Print Name of Authorized Person and Company Position)

Sworn to and subscribed before

Me this day of

 , 20

 (Notary Public) (My Commission Expires)