

Gdańsk, 02.11.2022

INQUIRY No. 1/02/2022Order title:

Delivery of a commercial license of specialist software for simulating electronic circuits

as part of the Project:

"Development of an innovative active harmonic filter with silicon carbide (SiC) transistors with lossless du / dt mitigation circuits for medium voltage industrial networks.", co-financed by the European Regional Development Fund under Sub-measure 1.1.1 of the Smart Growth Operational Program 2014 - 2020

Project Number: **POIR.01.t01.01-00-0802 / 21-00**Number of the advertisement in the Competitiveness Database:**2022-32820-93194**Name and address of the Ordering Party:

MMB Drives sp. z o. o.

Maszynowa 26, 80-298 Gdańsk

Tax number: 9570882266

National Business Registry Number (REGON): 193035520

KRS [National Court Register]: 0000205748

Offer submission deadline:

02/21/2022

Place and method of submitting offers:

1. 1) in paper version:

- by post to the headquarters of MMB Drives sp. z o.o, located at Maszynowa 26, 80-298 Gdańsk or
- in person on working days from 8:00 a.m. to 3:00 p.m. or

2) in electronic version to the following email address: info@mmb-drives.com.pl or

3) in electronic version via the Competitiveness Base:

<https://bazakonkurencyjnosci.funduszeuropejskie.gov.pl/>

2. The offer price may be specified in PLN or EUR. If the price in the offer is expressed in EUR, it will be converted using the exchange rate 4.4536 PLN / EUR *.

* Based on art. 3 of the Public Procurement Law and in accordance with the Notice of December 3, 2021 of the President of the Procurement Office On the current EU thresholds, their equivalent in PLN, the PLN equivalent of amounts expressed in euro and the average exchange rate of the zloty in relation to the euro, which is the basis for converting the value of public contracts or contests (Journal of Laws of 2021, item 1177).

3. Changes or withdrawal of the offer by the Bidder before the deadline for submission of offers is allowed.

4. Offers submitted after the offer submission deadline, incomplete offers as well as technically incorrect offers will be rejected and will not be evaluated.

5. Bidders bear all their own costs related to the preparation and submission of the offer, irrespective of the outcome of the Procedure. The Ordering Party shall in no case be liable for the costs incurred by the Bidders in connection with the preparation and submission of the offer. The Bidders undertake not to make any claims in this respect against the Ordering Party.

At the end of the bid evaluation procedure, the Ordering Party will decide on the selection of the most advantageous bid and will notify Bidders and announce the results of the proceedings on the Competition Base's website, as well as on its website.

Contact regarding the announcement:

1. Krzysztof Kowalewski - in substantive matters,
2. Justyna Zaborowska - in formal matters.

Telephone numbers of persons authorized to contact regarding the announcement:

Re. 1: +48 605 068 256, Ad. 2: +48 605 068 845

E-mail addresses of authorized persons:

Ad. 1: kowalik@mmb-drives.com.pl, Ad. 2: zaborowska@mmb-drives.com.pl

Description of the orderOrder Purpose

Project implementation "Development of an innovative active harmonic filter with silicon carbide (SiC) transistors with lossless du / dt mitigation circuits for medium voltage industrial networks.", co-financed by the European Regional Development Fund under Sub-measure 1.1.1 of the Smart Growth Operational Program 2014 - 2020

Subject of the order

Commercial license of specialist software for simulating electronic circuits

Specification of the order:

1. The supplied specialized software should include: a schematic drawing program, a simulator, and a graphical interface for displaying waveforms.
2. The program for drawing schematics should contain an extensive library of electrotechnical elements: power circuits, control circuits, sources, measurements, and have exemplary simulation schemes: e.g. inverters, PWM modulators, etc.
3. The software should have a module for simulating drives with electric motors, containing built-in models of electric machines and models of mechanical loads for testing drive systems.
4. The software should include a digital control module containing libraries of discrete elements such as a sampling block, a z-domain transmittance block, a quantization block, digital filters, digital control system analysis tools.
5. The software should include a thermal module containing libraries of elements and functions for calculating losses in semiconductor devices and chokes.
6. The software should enable
 - a. development of own models and specific libraries,
 - b. development of own masks and tools,
 - c. converting models from other software,
 - d. development of scripts for the automation of calculations and post-processing analysis.
7. The software should enable the use of the wizard module to create models of transistors and diodes directly on the basis of manufacturers' application notes and graphic characteristics, in particular semiconductor models of elements made of silicon carbide SiC MOSFET and SiC Schottky protection diodes. The software should enable the creation of loss models and thermal models of semiconductor devices, magnetic elements and entire systems of power electronic converters.
8. The software should contain the function blocks necessary for EMI analysis, such as EMI filters, LISN, a signal analyzer, and common-mode capacitor blocks.

CPV Code

48100000-9 Industry specific software packages

Order completion date

Deadline for delivery of the subject of the order: up to 14 days from the date of placing the order.

Enclosures:

Appendix No. 1: The offer form

Appendix No. 1 – Declaration on the lack of personal and capital ties,

Appendix No. 3 - Statement on the fulfillment of disclosure obligations (GDPR)

Additional Terms:

1. Bidders will submit all required documents and declarations, including:
 - 1) A declaration that there are no personal or capital ties with the Employer.
"Capital or personal connections are understood as the mutual connections between the beneficiary or persons authorized to assume obligations on behalf of the beneficiary or persons performing tasks on behalf of the beneficiary connected with preparation and implementation of the procedure of choosing a contractor, and the contractor, consisting particularly of:
 - a) the participation in a partnership as a partner in a civil partnership or a partnership,
 - b) possessing at least 10% of shares, unless the lower threshold is not legally defined or has not been defined by the Managing Institute in the programme guidelines,
 - c) acting the function of a member of the supervisory or manager, a proxy, or a plenipotentiary,
 - d) the entities are married to one another, or are in kinship or affinity in the direct line, or in kinship or affinity to the second degree in the collateral line, or are related by adoption, guardianship or custody.
[point 3) of Subchapter 6.5.2 of the "Guidelines on the eligibility of expenditure under the European Regional Development Fund, the European Social Fund and the Cohesion Fund for the years 2014-2020 "];
 - 2) A declaration that the offered software meets the requirements specified in the Inquiry form;
2. The Ordering Party reserves the right to request documents and additional information confirming the data contained in the offer and to reject the offer in the event of not receiving them within the prescribed period.
3.
 - 1) The Ordering Party reserves the right to amend the terms of the inquiry, as well as cancel or annul it and end the procedure without selecting offers, if there are objective reasons beyond the Ordering Party's control or if there are circumstances resulting from force majeure or there are significant changes in legal regulations, or the co-financing contract is changed beyond what the Ordering Party agreed upon with the Intermediate Body. Bidders participating in the procedure are not entitled to any claims against the Ordering Party.
 - 2) The Ordering Party also reserves the right to settlement of the procedure without selecting an offer, if the price of the best or the only offer exceeds the amount that the Ordering Party may allocate to finance the contract.
 - 3) Moreover, the Ordering Party reserves the right to cancel the procedure at any time and without giving reasons.
4. In the event that the Contractor whose offer was deemed the most advantageous withdraws from signing the contract with the Ordering Party, the ordering party reserves the right to sign the contract with another Contractor.
5. Submitting an offer in the procedure is equivalent to accepting its terms.

List of documents/statements required from the Contractor:

The contracting authority requires each of the bidders to submit documents in accordance with the inquiry:

1. Offer on the Offer Form;
2. Declaration that there are no personal or capital ties with the Employer;
3. Declaration on the fulfillment of disclosure obligations (GDPR);
4. The content of the software license agreement in Polish or English.

Offer evaluation:

Criteria for evaluation and description of the way in which scores will be awarded

1. Selection of the most advantageous Bidder will be done according to the following assessment criteria:
 - 1.1. Price (90%),
 - 1.2. Technical support (10%).
2. The price applies to the entirety of the contract.
3. The contracting authority will evaluate and compare only those offers that:
 - will not be rejected by the Ordering Party,
 - will be submitted by Bidders not excluded by the Ordering Party from this procedure,
 - meet all the requirements set out in the Inquiry,
 - will be complete, in accordance with the Ordering Party's specification.

"Price" Criterion Assessment Principles:

In the case of the "Price" criterion, the offer will be rounded to two decimal places number of points resulting from the action:

$P_x(C) = (C_{min} / C_x) \cdot Max(C)$, where:

$P_x(C)$ - the number of points that the offer "x" will receive for the criterion "Price"

C_{min} - the lowest net price of all valid and not-rejected bids

C_x - offer price "x"

$Max(C)$ - the maximum number of points that the Bidder may receive under the "Net Price" criterion

Assessment criteria for the "Technical support" criterion:

In the case of the "Technical support" criterion, points will be awarded according to the following formula:

1. Technical support period 12 months - 10 points.
2. No technical support – 0 points.

Points in the "Technical support" criterion will be awarded in accordance with the Contractor's declaration included in the Offer.

The most advantageous offer will be the one that meets all the conditions for participation in the procedure and obtains the highest total number of points during the evaluation of the criteria: "Price" and "Technical Support".