Annex Nº 1

Offer Form

Contractor's Stamp

Name, address, Contractor's tax number:

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Tel. …………………..……..., Fax …………..……..……………,

E-mail………………………………………………

Answering to the offer inquiry **Nº** 01/07/2018 regarding the „**Building of the Research and Development Center (CB-R) PYLON Spółka Akcyjna for the construction of loudspeakers and loudspeaker enclosures***"* project, *(**Agreement Nº: POIR.02.01.00-00-0109/16-00**) under 2.1 Action *Supporting of investments in R+D infrastructure of enterprises* Intelligent Development Operational Program 2014 - 2020 co-financed by the European Regional Development Found,

Please find below our offer for **„advanced acoustic research and measurement system"**

Subject-matter of the contract:

A design tool

A program that allows you to design your speakers freely. It must enable the calculation of the frequency response (frequency response) for the new set or/and analyze the problems with the existing set.

Features of the required program (minimum):

	Yes	No
1. Acoustic Design of Woofers, Tweeters, Headphone drivers, Micro Speakers etc.		
2. True Acoustic Finite Element Analysis (A)FEA		
3. Automatic meshing, Degrees Of Freedom, Constraints + component connections		
4. Extremely fast calculations, < 10 seconds for full		

	Yes	No
model		
5. Detailed 3D-Animation of Break-up modes at any frequency		
6. Select/Deselect SPL from each main component. Show for example Dust cap only		
7. >10 On- and Off-axis Responses and Directivity Analysis		
8. Comprehensive Material Database incl. dr. Kurt Müller materials		
9. Simulation and finding of Unknown Cone Material Parameters		
10. Import of measured SPL responses and Impedance for comparison		
11. Files can import into VACS and other standard software		
12. DXF Error Tracking		
13. Automatic Air load Calculation		
14. For Windows XP / 7 / 8 /10 +64bit		
15. Finite parameters testing		
16. Simulation of a working loudspeaker.		

R&D tools

Allow the sample at 48, 96 and 192 kHz, and measures SPL and impedance up to ~100 kHz. Amplifiers, microphones and crossovers can be directly measured. It performs High Accuracy impedance measurements in 2 modes: LO (Low current), HI (High current).

Features of the required program (minimum):

	Yes	No
1. Anechoic Measurements in normal rooms		
2. Frequency range up to ~100 kHz. 48, 96 and 192 kHz sampling.		
3. Auto-save Time Measurements		
4. Normalizing of Measurements, i.e. from 1V/50cm to 2.83V@1m		
5. Real Time Analyser - RTA		
6. LO (Low current) and HI (High current)		

Impedance modes		
7. THD and 2nd to 9th Harmonic Distortion		
8. Waterfall plots		
9. Polar and Contour plots with drag and drop incr. +/-1, +/-5, +/-10, +/-15, +/-20, +/-30, +/-45 deg.		
10. Direct Cross-over and Amplifier measurements		
11. Cosine / Hann and Rectangular windows		
12. Combine bass reflex and woofer measurements		
13. Curve Averaging, Offset and Splicing with level tracking		
14. Precise Thiele/Small Parameters		
15. Preview & Drag & drop files from/to Klippel / LMS / VACS / MLSSA etc.		
16. Auto Delay (Selectable) with Distance calculation		
17. Fast measurements < 2.5 sec		
18. Windows 7 / 8 / 10 – 64 bit compatible		

Name of the product:………………………

PRICE OFFERED FOR THE SUBJECT OF THE OFFER INQUIRY

Net Price	Gross Price	TAX

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(City, date)

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(Name, surname and the signature of the authorized person)