



Amendment No. 1

(hereafter the “**Amendment**”)

to Purchase Contract for delivery of the

“193 nm ArF excimer laser system for geo-applications in connection with HR ICP-MS”

(hereafter the “**Contract**”)

signed on June 26, 2024, between the parties:

Geologický ústav AV ČR, v. v. i.,

with its registered office at: Rozvojová 269, 165 00 Praha 6 – Lysolaje, Czech Republic,
represented by: RNDr. Tomáš Přikryl, Ph.D., Director,
registered in the Register of public research institutions of the Ministry of Education, Youth and Sports
of the Czech Republic.

ID No.: 67985831

Tax ID No.: CZ67985831

Bank: [REDACTED]

Account No. IBAN: [REDACTED] 1223; SWIFT (BIC): [REDACTED]

(hereafter the “**Buyer**”)

and

Elemental Scientific Instruments France,

with its registered office at: 23 route de la Wantzenau, 67800 Hoenheim, France,
represented by: Dr. Aurelien Viscardi, Managing Director,
registered at RCS Strasbourg, France.

ID No.: 824813323

Tax ID No.: FR51824813323

Bank: [REDACTED]

Account No. IBAN: [REDACTED]; SWIFT (BIC): [REDACTED]

(hereafter the “**Seller**”),

(the Buyer and the Seller are hereafter jointly referred to as the “**Parties**” and each of them
individually as a “**Party**”).

1. Change of Contract

This Amendment amends the specification of the Seller's subject of performance under Article 3 and Annexes 1 and 2 of the Contract (hereinafter referred to as "**Equipment**") and in connection therewith also the purchase price under paragraph 5.1 of the Contract.

2. Equipment specification and purchase price

- 2.1 The Equipment specification under the Contract shall be supplemented by additional items as set out in Annex 1 to this Amendment.
- 2.2 The purchase price shall be increased by the price of the additional items in the amount of EUR 20 000.00 excluding VAT.

3. Final arrangements

- 3.1 The Parties declare that no prejudice shall arise to either of them as a result of these changes.
- 3.2 The other provisions of the Contract remain unchanged.
- 3.3 This Annex forms an integral part of the Amendment:

Annex No. 1 - Seller's Offer dated 22/08/2024 ("ESTIMATION")

In Prague 18. 10. 2024

In Hoenheim 17. 10. 2024

For the Buyer:

For the Seller:

RNDr. Tomáš Přikryl, Ph.D.
Director

Dr. Aurelien Viscardi
Managing Director



Elemental Scientific instruments France

23, route de la Wantzenau,
67800 Hoenheim
France

Tel: 33 (0)3 88 51 79 51

Ventes@icpms.com / analab@icpms.com

TVA / VAT N°: FR 51 824813323

SIRET N°: 824 813 323 00022

ESTIMATION

ADRESSE DE FACTURATION

CAS
Rozvojová 269
165 00 Praha 6, Lysolaje,
Czech Republic

ADRESSE DE LIVRAISON

CAS
Rozvojová 269
165 00 Praha 6, Lysolaje,
Czech Republic

ESTIMATION N°: E21078

DATE: 22/08/2024

DATE D'EXPIRATION: 31/12/2024

REPRESENTANT 361

| CODE ARTICLE | DESCRIPTION | QTE | PRIX UNITAIRE | TVA | Total |
|--------------|---|-----|---------------|-----|------------|
| Special | Upgrade: Upgrade LASER ablation imageGEO with a TV3 ablation Cell | 1 | 20,000.00 | | 20,000.00T |
| TOTAL HT | | | | | 20,000.00 |
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Laser chamber TwoVol3



Ultimate performance for high speed imaging (peak widths of 1 ms at 10% of peak maximum), flexibility to optimise particle transport (1 ms to 2000 ms) and outstanding spatial reproducibility for high precision analysis.

| | |
|---------------------------|---|
| Sample area | 100 x 100 x 15 mm (Length x Width x Height), sample height increases to 17mm without transmitted light. |
| Configuration | Interchangeable Imaging and Analytical cups (swap between modes in <5 min) and tubing options as standard. Left or right hand configurable. Rotatable window for longevity. |
| Washout | Imaging cup + Dual Concentric Injector small ID = 2 orders of magnitude in 1 ms Analytical cup standard configuration = 2 orders of magnitude in 700 ms |
| LIBS | LIBS cup for simultaneous or standalone LA-ICPMS and LIBS analysis. |
| Stages | High precision XYZ closed-loop (encoded) linear stages, 10nm precision and 25mm·s ⁻¹ movement. Internal Z provides sample to outlet distance optimisation for improved washout and dynamic focusing. Closed-loop feedback provides exact location of every shot and high precision-controlled dosage (100 nm return accuracy). |
| Purge | Typhoon purge (Patent US 952 485 6 B2) achieving lowest and stable background in 5 minutes |
| Bypass – sample switching | A bypass mechanism for both Analytical and Imaging cups to ensure plasma stability when exchanging samples (Patent US 11 183 378) |

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|--------------------------------|---|
| Signal spatial reproducibility | <1.5% RSD of signal variation across the entire sample chamber (due to Typhoon purge and fixed inlet/outlet geometry) |
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