



PURCHASE CONTRACT

Entered into Pursuant to the Civil Code, Act no. 89/2012, Coll., section 2079 et sequentes and section 2358 et sequentes, as amended, and the Copyright Act, Act no. 121/2000, Coll., as amended

Contracting Parties:

University of West Bohemia

Address: Univerzitní 8, 306 14 Plzeň, Czech Republic
ID no.: 49777513
Tax ID no.: CZ49777513
Person authorized to act
on behalf of the Purchaser: Doc. Ing. František Vávra, CSc.,
Dean of the Faculty of Applied Sciences,
authorized to act on behalf of University of West
Bohemia
Bank: Komerční banka a.s., Plzeň-město
Account no.: 4811530257/0100
On one part as the Purchaser (hereinafter referred to as "the Purchaser")

and

Ascending Technologies GmbH

registered office: Konrad-Zuse-Bogen 4
82152 Krailling, Germany
ID No.: HRB 166748
Tax ID No.: DE-254728199
Represented by: Dipl.-Ing. Michael Achteik /// CEO
Registered in: HRB 166748 /// München
Bank: Hypo-Vereinsbank München
Account no.: 653619073

On the other part as the Seller (hereinafter referred to as "the Seller")

Entered into this Purchase Contract (hereinafter referred to as the "Contract") on the hereinbelow day, month and year:

I. Introductory Provisions

1. This Purchase Contract is entered into based on the result of the small-scale Public Tender entitled "**Quadrotor helicopter for SLAM applications**" (hereinafter referred to as "the Public Contract"). The Purchaser, as the Contracting Authority, selected the offer submitted by the Seller as the best bid.
2. The Seller confirms that they have become fully acquainted with the scope and nature of the thing that is subject of the purchase and relates to the subject matter of the Public Contract, and that they are aware of all technical, qualitative and other conditions and have the capacities and expertise needed to deliver the Contract.
3. The Seller explicitly confirms that they have studied all the Purchaser's documents and instructions received by the date of execution of this Contract as well as instructions contained in the requirements that the Purchaser defined for the Public Contract, that the Seller has found these requirements to be appropriate, that the purchase price and the method of the Contract delivery contain and take into consideration all the above specified conditions and circumstances.

II. Object of Sale

1. Pursuant to the terms and conditions of this Contract, the Seller undertakes to supply 1 (one) piece quadrotor helicopter with autonomous control systems suitable for laboratory experiments in the field of simultaneous localization and mapping and with the option of carrying a wide range of small payloads in various configurations. The tender is also to include the supply of optical sensors with brackets and basic optional accessories for control, communication and power supply (hereinafter also referred to as "the object of sale" or "the Equipment").
2. The object of sale including the requested accessories and software is specified in Annex no. 1 to this Contract: Equipment Technical Parameters and Related Obligations of the Seller.
3. The object of sale must be delivered in the agreed quantity, quality and design to the agreed place in the agreed time. The supplied object of sale must be also suitable and fully employable for the agreed purpose of its use as specified in this Contract, and in terms of its use not specifically described in this Contract, it must be suitable and fully employable for the purpose it is usually used for. The Seller expressly declared that the Equipment representing the object of sale meets the technical parameters and features as specified in Annex no. 1 to this Contract. The Seller undertakes to comply with other related obligations under this Contract and transfer the ownership right to the object of sale on the Purchaser.
4. The object of sale will be new, fully functional, and complete, i.e. will be ready for immediate use and there will be no need to procure other components, it will be supplied including all the necessary components and installed software, even if these components are not explicitly described in the invitation to submit bids to the Public Tender.
5. Delivery of the object of sale to its place of delivery, its commissioning including testing of its flawless operation, delivery of technical documents and user manuals (either Czech or

English language, in hard or electronic copies) and demonstration of all the required parameters constitute integral parts of the Contract's performance.

6. The Purchaser undertakes to accept the delivered object of sale and to pay to the Seller the price stipulated in this Contract under the conditions specified herein.

III. Price and Payment Conditions

1. The purchase price results from the price bid submitted by the Seller calculated for the purposes of the Public Tender.
2. The purchase price will be paid by the Purchaser to the Seller after the object of sale is delivered and accepted, and the Acceptance Protocol is signed by authorized representatives of the two contracting parties.
3. The total purchase price for the entire object of sale is **CZK 552,754,00** in words: five hundred fifty-two thousand seven hundred fifty-four Czech crowns excluding VAT (hereinafter referred to as "the Purchase Price").
4. In accordance with the Value Added Tax Act no. 235/2004, Coll., as amended, the Purchase Price is determined excluding VAT; the VAT may be added to the Purchase Price, that the Purchaser will be obliged to pay, or declare or return in any form pursuant to the VAT Act no. 235/2004, Coll., applicable on the date of taxable supply.
5. The Purchase Price will be determined as the highest acceptable (maximum) price that cannot be exceeded, it will include all fees and all additional costs incurred in connection with the performance of the delivery (i.e. transportation and warehouse charges, costs of the approval process, required testing, declaration of properties or conformity¹, certificates and attests, transfer of rights, insurance and possible taxes and charges that the Seller may be obliged to pay in any form according to any applicable laws valid abroad etc.). The Seller is not entitled to charge any other amounts for the performance of the herein Contract.
6. The purchase price for the object of sale will be paid by the Purchaser based on a tax document (hereinafter also referred to as "the invoice") issued by the Seller within 15 days of the delivery and acceptance of the object of sale and duly signed Acceptance Protocol. A copy of the Acceptance Protocol will form an integral part of the invoice.
7. The invoice will be due 30 days from the date when it is demonstrably received by the Purchaser. However, the Purchaser reserves the right to unilaterally extend the due date of the tax document according to its ability to use funds provided by the Research and Development for Innovation Operational Programme (hereinafter referred to as "the OP RDI") by up to 30 calendar days. Such an extension does not establish the Purchaser's delay with the payment of the purchase price.
8. The tax document – the invoice must contain all elements of a proper accounting and tax document pursuant to the relevant legislation, namely – yet not exclusively – of the Value Added Tax Act no. 235/2004, Coll., as amended. The Purchaser will be entitled to return an invoice missing the relevant elements to the Seller to be amended before its due date, and the Purchaser will not be in delay with the payment in such a case. The payment

¹ Pursuant to the Regulation of the European Parliament and of the Council no. 305/2011.

period will start again after the duly amended or corrected invoice is sent to the Purchaser.

IV. Place of Delivery and Acceptance of the Equipment

1. The Seller undertakes to deliver the object of sale over to the place of delivery, i.e. University of West Bohemia in Pilsen, Univerzitní 22, Plzeň, Czech Republic, during the working hours of the Purchaser – between 8:00 a.m. and 4:00 p.m., unless stipulated otherwise by the Contracting Parties.
2. The Acceptance Protocol will be made out to certify the delivery and acceptance of the object of sale; the Protocol will be signed by authorized representatives of both Contracting Parties.
3. The Purchaser will not be obliged to accept any object of Sale demonstrating any defect or unfinished parts. Together with the object of sale, the Seller will be also obliged to provide to the Purchaser documents needed for the proper hand-over and subsequent operation of the object of sale, and the delivery of these documents is a condition for the object of sale to be accepted by the Purchaser.

V. Term of Delivery

1. The Seller undertakes to start delivering the object of sale on the effective date of the Contract and duly complete the delivery of the object of sale within 3 (three) months after the effective date of the Contract at the latest.

VI. Transfer of Ownership Title and the Risk of Damage of the Object of Sale

1. The ownership title to the object of sale is transferred to the Purchaser on the day the object of sale is duly delivered by the Seller and accepted and its acceptance is certified by the signed Acceptance Protocol. The risk of damage of the object of sale is also transferred to the Purchaser at the same time.

VII. Guarantee

1. The Seller provides the Purchaser with a quality guarantee for the object of sale delivered pursuant to this Contract; the guarantee period will be 12 months.
2. The guarantee period starts on the day the object of sale is duly delivered by the Seller and accepted by signing the Acceptance Protocol by representatives of the two contracting parties.
3. The Purchaser is obliged to inform the Seller, by phone, e-mail or in writing at the following address of the Seller: Ascending Technologies GmbH, Kondrad-Zuse-Bogen 4, 82152 Krailling, Germany, of any defects as soon as they are identified. Claims mailed by the Purchaser on the last day of the guarantee period will also be considered duly raised claims.
4. The Seller will carry out the guarantee repairs free of charge and without delay depending on the nature of the Equipment defect, no later than 30 calendar days after

the claim is raised, unless stipulated otherwise by the Contracting Parties. If the nature of the defect permits, the Seller will be obliged to remove the defect in the place of delivery. If this is not possible, the Seller will remove the defect in the Seller's facility.

5. In this respect the Seller acknowledges that the work to remove the defects may start on business days between 8:00 a.m. and 4:00 p.m., unless stipulated otherwise by the Contracting Parties.
6. The Contracting Parties will certify removal of the claimed defect by a protocol certifying the removal of the defect. The guarantee period will be extended by the period lapsed between the date of the guarantee claim and the day of defect removal.

VIII. Licensing Provisions

1. The Seller grants to the Purchaser a non-exclusive license without any time and territorial limits together with the software delivered as part of the object of sale as specified in Annex no. 1 to this Contract. The compensation for the granted licenses is included in the Purchase Price specified in Article III herein.
2. The Seller guarantees that the delivered object of sale is not subject to any rights of third parties that would prevent signing of this Contract and proper use of the object of sale by the Purchaser, in particular the industrial property rights.
3. The Seller declares that it is authorized to enter into this Contract and that there are no limitations imposed by third parties, natural or legal persons. The Seller declares that the object of sale including the delivered software are not subject to any rights of third parties pursuant to the Copyright Act no. 121/2000, Coll., as amended, or any other regulations. Should the rights of the Purchaser under this Contract be limited by a third party, or should a third party prevent the Purchaser from proper exercise of these rights, the Seller undertakes to immediately prevent such behaviour at its own expense and to compensate the Purchaser for incurred damage.

IX. Termination of the Contract

1. This Contract can be terminated:
 - a) By a written agreement of the Contracting Parties;
 - b) By withdrawal from the Contract for reasons stipulated in the Contract or specified by the law.
2. A Contracting Party may terminate this Contract for a gross violation of the Contract by the other Party. In particular, the following will be considered a gross violation of this Contract:
 - a) The Purchaser's failure to pay the Purchase Price in accordance with this Contract within 60 days after the due date of a relevant invoice;
 - b) The Seller's failure to duly deliver the object of sale (or its part) on the agreed date entitling the Seller to the payment of the purchase price (or its part) based on a relevant invoice;
 - c) The Seller's failure to supply object of sale possessing the properties declared by the Seller in this Contract or properties arising from this Contract;

- d) The Seller's failure to provide correct information or documents indicative of the actual situation in the Bid submitted to the Public Tender, which have or could have affected the result of the Tender.
3. Should one of the Parties fail to comply with other contractual conditions (such as proper performance of guarantee repairs), the other Party will be entitled to terminate the Contract, if the defaulting Party fails to meet its obligations during extended reasonable period granted to the Party for the purpose.
 4. A Party must withdraw from the Contract in writing without undue delay after learning of the violation.
 5. Should a Party withdraw from the Contract, the Contracting Parties will be obliged to settle their obligations and receivables as specified by the law or in the Contract within 30 days of the effective date of the withdrawal, or by a stipulated date.
 6. Should the Purchaser terminate the Contract for a gross violation of the contractual obligation by the Seller, the Seller will be obliged to pay to the Purchaser possible incurred damage (material and non-material).

X. Penal Obligations

1. Should the Seller fail to meet its Contractual obligation, in particular, should the Seller be in default with the delivery of the object of sale, i.e. should the Seller fail to deliver the object of sale (or its part) by the stipulated date, the Seller will be obliged to pay to the Purchaser a contractual penalty of 0.05% of the total Purchase Price for every started day of such delay.
2. Should the Purchaser be in default with the payment of the invoice, the Seller will be obliged to charge the Purchaser with the contractual interest on late payment of 0.05% of the amount due for every started day of the payment delay.
3. Should the Seller fail to meet the specified (or otherwise stipulated) term for the performance of the guarantee repair, the Seller will be obliged to pay to the Purchaser a contractual penalty of 0.05% of the total Purchase Price for each individual failure for every day of the delay.
4. The obliged Party must settle the contractual sanction (contractual penalty) to the entitled Party within 15 calendar days of receipt of the relevant calculation submitted by the other Contracting Party at the latest.
5. Payment of the contractual penalties in accordance with this Contract does not prejudice the Contracting Party's right to claim damages caused by the other Party's failure to meet its obligation giving rise to the penalty.
6. The Purchaser will be entitled to offset any contractual penalty due from the Seller against invoiced amounts.

XI. Other Provisions

1. The Seller acknowledges that, pursuant to the Financial Control in Public Administration Act no. 320/2001, Coll., section 2 (e), as amended, the Seller is a person obliged to cooperate in exercising financial control. A controlling body of the Operational

Programme RDI will be authorized to perform an audit and access those parts of the bid, Contract and relating documents that are subject to protection according to special legal regulations (such as trade secrets, proprietary information) for a period of three years after the operational programme is closed, provided that the requirements defined by the law (for example, the State Control Act no. 552/1991, Coll., Section 11 (c) and (d) and Section 12, subsection 2 (f), as amended) are met. The controlling body of the Operational Programme RDI is similarly authorized to perform an audit at the Seller's subcontractors (see Annex no. 2 to the Guidelines for OP RDI Applicants and Beneficiaries: <http://www.msmt.cz/strukturalni-fondy/spolecne-prilohy-prirucek-pro-zadatele-a-prijemce-op-vavpi-3>).

2. The Seller will be obliged to properly maintain all documents relating to the execution of the object of sale (including accounting books) for at least three years after the OP RDI project is closed, i.e. at least until 2021. During the same time period, the Seller will be obliged to provide requested information and documents to the agents of bodies authorized to audit projects performed under OP RDI and will be obliged to create conditions for these personnel to be able to carry out the audit of the project implementation and cooperate in the audit.

XII. Communication

1. All communication or other acts of the Contracting Parties pursuant to this Contract will be addressed to the hereinbelow representatives of the Contracting Parties in Czech or English language.
2. Should this Contract require a written statement by the Parties to communicate or act, the notice will be sent via provider of postal services to the address of the relevant Contracting Party to the attention of the herein specified representative of the Contracting Party.
3. Should this Contract require a certain statement or act of the Contracting Parties to be made in writing by a certain deadline, such deadline will be met, if the statement or act will be delivered electronically to the e-mail of the representative of the other Contracting Party in accordance with the Contract, if the statement or information about the act is sent consequently via provider of postal services to the address of the relevant Contracting Party within three business days.
4. Representatives of the Parties

The Seller declares that the following person was authorized to act in his/her name in the matters relating to the performance of this Contract:

Name: Britta Hansen
E-mail: Britta.Hansen@asctec.de
Phone: +49 89 89556079-0.

The Purchaser declares that the following person was authorized to act in his/her name in the matters relating to the performance of this Contract:

Name: Ing. Miroslav Flidr, Ph.D.
E-mail: flidr@kky.zcu.cz
Phone: +420 377 632 559.

5. These representatives, however, have no authority to sign any amendments to the Contract.

XIII. Closing Provisions

1. This Contract is governed by Czech law. Matters not expressly stipulated in the Contract are governed by the relevant provisions of the Civil Code, Act no. 89/2012, Coll., as amended. Any disputes arising from this Contract or relating to this Contract will be resolved by a Czech court of the relevant jurisdiction in the place of registered address of the Purchaser.
2. This Contract is made out in four identical copies, each of which is valid as original. Each of the Contracting Parties will receive two identical copies.
3. This Contract may only be altered or amended by written amendments numbered in ascending uninterrupted order and signed by both Contracting Parties.
4. This Contract becomes valid and effective on the date it is entered into, i.e. on the date it is signed by authorized representatives of both Contracting Parties.
5. Should any of the Parties be unable to duly perform the Contract due to a reason on its part, the Party will be obliged to inform the other Party about the fact without undue delay and initiate a discussion between representatives of the Purchaser and the Seller.
6. Annexes to the Contract form its integral part:
Annex no. 1: Equipment Technical Parameters and related obligations of the Seller.
Annex no. 2: Authorization of the Dean of the Faculty of Applied Sciences of University of West Bohemia in Pilsen to Act on Behalf of the Public
7. The Contracting Parties declare that they have read the Contract before signing, and agree with its content; in witness thereof both Contracting Parties attach their signatures.

In Krallings, date 12th August 2014

In Pilsen, date 19th August 2014

**ASCENDING
TECHNOLOGIES**

M. A. Achtelik
.....
Ascending Technologies GmbH
Konrad-Zuse-Bogen 4 // 32152 Krallings // Germany
T + 49 / (0) 89 / 89 55 60 79 0 // team@asctec.de

On behalf of the Seller
Dipl.-Ing. Michael Achtelik /// CEO

M. Vávra
.....

On behalf of the Purchaser
Doc. Ing. František Vávra, CSc.,
Dean of the Faculty of Applied Sciences
authorized to act on behalf of the
University

Annex no. 1 to the Purchase Contract

Equipment Technical Parameters And Related Obligations of the Seller

The equipment consists of the following components, meets the specified (minimum) technical parameters and supports the following features:

- Control unit equipped at least with 32 bit processor
 - sensors (access to raw data from sensors required)
 - at least 9DOF inertial measurement unit (i.e. at least these sensors have to be present: triaxial accelerometer, triaxial gyroscope, triaxial magnetometer)
 - altimeter
 - GPS module
- RC receiver for manual control
- At least 600g maximum weight of payload
- It is necessary to have the possibility to equip the platform concurrently with multiple cameras, laser rangefinder and supplementary computational unit for visual data processing
- It is necessary to have the possibility to equip the payload both underneath and over the quadrotor helicopter platform main body

The supply must comprise following optional components/accessories:

- Supplementary high performance computational unit for image processing tasks with following minimal specifications
 - Dual core processor
 - DDR3 RAM memory with 4GB minimal capacity
 - mSATA SSD disk with minimal capacity of 60GB
 - It is necessary that the system has preinstalled operating system
 - It is necessary to provide at least these standard interfaces
 - USB 2.0
 - Gigabit ethernet
 - UART
 - VGA
 - SATA
 - GPIO
 - It is necessary that the computational unit is mechanically and electrically compatible with both the platform chassis and base electronics of the quadrotor helicopter
- JTAG debugging interface
- Seven channel transmitter for manual control working in the 2.4GHz baseband
- Telemetry for the transmitter

- Wireless communication module pro serial data connection working in the 2.4GHz baseband based on the technology described by international standard IEEE 802.15.4
- Wireless communication module based on international standard IEEE 802.11b/g/n working in 2.4GHz and 5GHz basebands
- Laser rangefinder including mounting accessories with following specification
 - 12V DC power supply
 - Detection range at least 0,1-30m
 - Angular resolution at least 0,25°
 - USB 2.0 interface
 - Maximum weight of 400g
 - Scan frequency at least 40Hz
 - Measuring area at least 270°
- 3pcs CMOS camera
 - Resolution at least 725x480 pixels
 - Frame rate at least 90fps
 - Size of the CMOS sensor at least 1/3"
 - At least 8bit image depth
- Accessories for cameras mounting
 - Fixed mount for one camera on the top of the helicopter for facing the camera forward and upward
 - Active mount for one camera below the platform with possibility to remotely control the tilt angle with vibration damping
 - Fixed mount for two cameras facing downwards mounted below the system
 - Fixed mount for three cameras facing forward, backward and upward
- Small and big propeller protection
- Feet extension
- Additional carbon fibre plates for the upper and top and bottom part of the platform
- 4pcs LiPo battery minimal capacity 6000mAh
- Battery charger for LiPo batteries including necessary cables
 - Possibility to use power supply voltages of 12V, 100V and 240V DC
 - Balancer for LiPo batteries
- Spare part kit comprising following parts
 - 4pcs 10" propellers (2pcs left turning and 2pcs right turning)
 - 1pcs motor
 - 1pcs motor controller
 - 1pcs motor boom
 - 1pcs foot
 - Set of screws
- Transport case

POVĚŘENÍ

(v souladu se zák. č. 262/2006 Sb.: zákoník práce, ve znění pozdějších předpisů; zák. č. 111/1998 Sb., o vysokých školách, ve znění pozdějších předpisů; zák. č. 137/2006 Sb., o veřejných zakázkách, ve znění pozdějších předpisů)

Západočeská univerzita v Plzni, IČO: 49777513, se sídlem Plzeň, ul. Univerzitní 8/2732, PSČ: 306 14, jednající doc. PaedDr. Ilonou Mauritzovou, Ph.D., rektorkou, tímto

p o v ě ř u j e


v souladu (i) s Rozhodnutím rektora č. 25R/2012 - Organizačním řádem Západočeské univerzity v Plzni ze dne 28.08.2012, ZCU 028615/2012, (ii) se zák. č. 111/1998 Sb., o vysokých školách; (iii) Statutem Západočeské univerzity v Plzni ze dne 20.12.2012 a (iv) zák. č. 111/1998 Sb., o vysokých školách, ve znění pozdějších předpisů,

k e d n i 1. 8. 2013

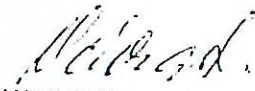
jméno: FRANTIŠEK příjmení: VÁVRA narozen dne: 22. dubna 1949, bytem: Alej Svobody 52, 323 00 Plzeň, funkce: děkan Fakulty aplikovaných věd, zaměstnanec Západočeské univerzity v Plzni, zejména k:

- zajištění všech úkonů souvisejících s organizací, koordinací a výkonem činností při zadávání veřejných zakázek ve smyslu zák. č. 137/2006 Sb., o veřejných zakázkách, ve znění pozdějších předpisů, v rámci Operačního programu Výzkum a vývoj pro inovace, projekt NTIS, CTPVV;
- k podpisu všech právních úkonů souvisejících se zadáváním veřejných zakázek ve smyslu zák. č. 137/2006 Sb., o veřejných zakázkách, ve znění pozdějších předpisů, v rámci Operačního programu Výzkum a vývoj pro inovace, projekt NTIS, CTPVV.

V Plzni, dne 17. července 2013


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doc. PaedDr. Ilona Mauritzová, Ph.D., rektorka ZČU

Uvedené pověření přijímám:


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doc. Ing. František Vávra, CSc., děkan FAV

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