11735-2026 - Tulemus

Taani – Lasertööpingid ja töötluskeskused – Wire-Based Laser Induced DED System
OJ S 6/2026 09/01/2026
Lepingu sõlmimise või kontsessiooni andmise teade – üldkord
Asjad

1. Hankija

1.1. Hankija

Ametlik nimi: Danmarks Tekniske Universitet - DTU
E-posti aadress: aasst@dtu.dk
Hankija õiguslik vorm: Avalik-õiguslik isik
Hankija tegevus: Haridus

2. Menetlus

2.1. Menetlus

Pealkiri: Wire-Based Laser Induced DED System
Kirjeldus: Acquisition of an advanced laser wire deposition welding system, specifically tailored for industrial repair applications and research on metallic components. The system integrates a coaxial ring-shaped beam for direction-independent weld quality, multi-material processing with automatic wire change, closed-loop laser power control with coaxial pyrometer, and an integrated laser line scanner for geometry digitization and automated toolpath generation. The software provides full access to all relevant process parameters, while the hardware offers modular upgradeability (e.g. extended working area, open sidewalls). This unique combination of robustness, openness, and adaptability is indispensable for establishing and validating novel repair process chains with industrial partners. The system must comply with the following: 1. The system should be a laser-wire DED setup integrated on a robot arm 2. The system should have software integration with Metrology using laser scanners and automated tool path generation 3. Most importantly, it should be open-architecture, it means that we should have full control over all parameters of the system The contracting entity intends to procure one complete, highly specialized system for laser wire deposition welding (LMD-w). The system will be used in close collaboration with industrial partners to explore, develop, and validate repair process chains for metallic components and to prepare their transfer into industrial practice. Since many of the relevant scientific and technical questions are being addressed for the first time, the system must combine the robustness and stability of an industrial-grade solution with the openness and adaptability of a research platform. The technical requirements include: 1. A coaxial, ring-shaped laser beam, ensuring that the quality of the deposition process is unaffected by the head’s direction of movement and thereby enabling consistent results even in complex geometries. 2. Capability to process up to three different wire materials and/or diameters with fully automat-ed switching, in order to flexibly adapt to changing repair scenarios. 3. Closed-loop laser power control, combined with a coaxial pyrometer, for continuous monitoring and precise stabilization of process conditions. 4. A welding head with an integrated laser line scanner, directly linked to the control software, enabling three-dimensional surface digitization of the component. This functionality supports automatic defect detection, geometry analysis, toolpath planning, and execution of the sub-sequent repair welding operation. The associated software must provide unrestricted access to all relevant process parameters. This is indispensable for research and development

activities, as it allows users to investigate cause–effect relationships in the repair process, implement new control strategies, and adapt the system to evolving industrial requirements. In addition, the system hardware must be modular and upgradeable, with options such as enlarging the working area through exchangeable inserts or removing side walls to accommodate oversized or elongated parts. In contrast to purely experimental laboratory setups, the procured solution must provide an industrially robust platform that can withstand intensive use in collaborative projects with industrial partners, while still offering the openness required for scientific investigation. This dual nature - research flexibility combined with industrial-grade stability - is critical for the intended application. The acquisition therefore covers one integrated system consisting of the machine tool, the coaxial laser head with closed-loop control and integrated scanner, the control and analysis software, as well as auxiliary components enabling automated repair welding operations.
Menetluse tunnus: 077fb46e-5b38-4685-87f5-aee1498db1a5
Eelmine teade: 6b4ce2fd-7a7f-4895-9531-d87e81ad9bfd-01
Sisemine tunnus: 10414
Menetluse liik: Väljakuulutamiseta läbirääkimistega hankemenetlus

2.1.1. Eesmärk

Lepingu olemus: Asjad
Peamine liigitus (cpv): 42610000 Lasertööpingid ja töötluskeskused
Täiendav liigitus (cpv): 42611000 Eriotstarbelised tööpingid

2.1.2. Lepingu täitmise koht

Postiaadress: Produktionstorvet, Bygning 427, Port 2
Linn: Lyngby
Sihtnumber: 2800
Riik – jaotus (NUTS): København omegn (DK012)
Riik: Taani
Lisateave: Produktionstorvet, Bygning 427, Port 2 Lokale 305

2.1.4. Üldine teave

Hanke väljakuulutamine on lõpetatud
Õiguslik alus:
Direktiiv 2014/24/EL

5. Osa

5.1. Osa: LOT-0000

Pealkiri: Wire-Based Laser Induced DED System
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Sisemine tunnus: 10414

5.1.1. Eesmärk

Lepingu olemus: Asjad
Peamine liigitus (cpv): 42610000 Lasertööpingid ja töötluskeskused
Täiendav liigitus (cpv): 42611000 Eriotstarbelised tööpingid

5.1.2. Lepingu täitmise koht

Postiaadress: Produktionstorvet, Bygning 427, Port 2
Linn: Lyngby
Sihtnumber: 2800
Riik – jaotus (NUTS): København omegn (DK012)
Riik: Taani
Lisateave: Produktionstorvet, Bygning 427, Port 2 Lokale 305

5.1.3. Eeldatav kestus

Kestus: 1 Aasta

5.1.6. Üldine teave

Hankeprojekt, mida ei rahastata ELi vahenditest
Hanke suhtes kohaldatakse riigihankelepingut (GPA): jah

5.1.10. Pakkumuste hindamise kriteeriumid

Kriteerium:

Liik: Hind

Nimi: Price

Kirjeldus: Price

Hindamise kaalukriteeriumi kategooria: Kaal (protsentides, täpne)

Hindamiskriteerium – arv: 100

5.1.15. Vahendid

Raamleping:

Ei kohaldata raamlepingut

Teave dünaamilise hankesüsteemi kohta:

Ei kohaldata dünaamilist hankesüsteemi

5.1.16. Lisateave, lepitus ja vaidlustus

Vaidlustusorgan: Klagenævnet for Udbud

Teave vaidlustamise tähtaegade kohta: Complaint that the Contracting Authority, contrary to the Public Procurement Act, has concluded a contract without prior publication of a contract notice in the European Union Official Journal must be submitted no later than 30 calendar days from the date after a contract award notice has been published by the Contracting Authority in the European Union Official Journal and that contract award notice includes the grounds for the decision to award the contract directly, cf. lov om Klagenævnet for Udbud (Complaints Board for Tenders) § 7, section 3. The agreement will not be concluded before the expiry of 10 calendar days from the day after the day on which this notice is published, cf. section 4(1)(2) of the Complaints Board Act.

Organisatsioon, mis annab lisateavet vaidlustamise kohta: Konkurrence- og Forbrugerstyrelsen

Organisatsioon, kelle eelarvet kasutatakse lepingu eest tasumiseks: Danmarks Tekniske Universitet - DTU

Makset teostav organisatsioon: Danmarks Tekniske Universitet - DTU

Lepingut allkirjastav organisatsioon: Danmarks Tekniske Universitet - DTU

6. Tulemused

Kõigi selle teate alusel sõlmitud lepingute maksumus: 493 740,00 EUR

Otselepingu sõlmimine

:

Otselepingu sõlmimise põhjendus: Lepingu saab sõlmida ainult ühe konkreetse ettevõtjaga, kuna tehnilistel põhjustel konkurents puudub

Muu põhjendus: A market survey was performed where several suppliers were contacted. The technical features from the description of the acquisition are listed again below. Only some of the suppliers could support technical features 1, 2 and 3 (listed below), and we got quotes and technical descriptions from the suppliers. Only one supplier was able to supply all required technical features 1-4 (listed below). One supplier even suggested some third party hardware and software to solve the technical problem (requirement 4), but they were not able to integrate them into a solution that is directly capable of Remanufacturing on top of complex shapes with automated tool path panning. Aconity in Germany provided detailed quotations and technical descriptions of their system, demonstrating full compliance with all technical requirements. In particular, Aconity could meet the critical requirement (4) related to automated integration for remanufacturing on top of complex shapes with automated tool path planning. This automated integration is a key requirement for the Remanufactory project,

funded by the Industriens Fond, to ensure that the system is operational as soon as it is acquired. The acquisition responsible from DTU visited Aconity in Germany and verified the system was appropriate for our application. Thus, in the end, we were only able to identify one supplier that satisfied all our technical requirements. The technical features include: 1. A coaxial, ring-shaped laser beam, ensuring that the quality of the deposition process is unaffected by the head's direction of movement and thereby enabling consistent results even in complex geometries. 2. Capability to process up to three different wire materials and/or diameters with fully automat-ed switching, in order to flexibly adapt to changing repair scenarios. 3. Closed-loop laser power control, combined with a coaxial pyrometer, for continuous monitoring and precise stabilization of process conditions. 4. A welding head with an integrated laser line scanner, directly linked to the control software, enabling three-dimensional surface digitization of the component. This functionality supports automatic defect detection, geometry analysis, toolpath planning, and execution of the sub-sequent repair welding operation. The unique combination of these technical features is indispensable for fulfilling the project's objectives. No alternative supplier is able to provide a system that simultaneously offers the required openness for research, the robustness for industrial validation, and the specific integrated functionalities described above. For this reason, the procurement shall be carried out as a negotiated procedure without prior publication, due to lack of competition for technical reasons, cf. § 80, subsection 3, no. 2 of the Public Procurement Act (Directive 2014/24/EU, Article 32).

6.1. Tulemus – osa tunnus: LOT-0000

Eduka pakkuja valiku staatus: Vähemalt üks edukas pakkuja on välja valitud.

6.1.2. Teave edukate pakkujate kohta

Edukas pakkuja:
Ametlik nimi: Aconity3D GmbH
Pakkumus:
Pakkumuse tunnus: Offer - Wire-Based Laser Induced DED System
Osa või osade rühma tunnus: LOT-0000
Pakkumuse maksumus: 493 740,00 EUR
Allhanked: Ei
Teave lepingu kohta:
Lepingu tunnus: Contract
Eduka pakkuja valimise kuupäev: 06/11/2025
Lepingut allkirjastav organisatsioon: Danmarks Tekniske Universitet - DTU

6.1.4. Statistiline teave

Hankijale esitatud vaidlustuste kokkuvõte:
Kaebuse esitajate arv: 0
Esitatud pakkumused või osalemistaotlused:
Laekunud taotluste ja pakkumuste liik: Pakkumused
Laekunud pakkumuste või osalemistaotluste arv: 1

8. Organisatsioonid

8.1. ORG-0001

Ametlik nimi: Danmarks Tekniske Universitet - DTU
Registreerimisnumber: 30060946
Postiaadress: Anker Engelunds Vej 1
Linn: Kgs. Lyngby

Sihtnumber: 2800
Riik – jaotus (NUTS): Københavns omegn (DK012)
Riik: Taani
Kontaktpunkt: Anna Storch
E-posti aadress: aasst@dtu.dk
Telefon: +45 999999
Internetiaadress: https://www.dtu.dk
Hankija profiil: https://eu.eu-supply.com/ctm/company/companyinformation/index/165863
Selle organisatsiooni rollid:
Hankija
Lepingut allkirjastav organisatsioon
Organisatsioon, kelle eelarvet kasutatakse lepingu eest tasumiseks
Makset teostav organisatsioon

8.1. ORG-0002
Ametlik nimi: Klagenævnet for Udbud
Registreerimisnumber: 37795526
Postiaadress: Nævnenes hus, Toldboden 2
Linn: Viborg
Sihtnumber: 8800
Riik – jaotus (NUTS): Østjylland (DK042)
Riik: Taani
E-posti aadress: klfu@naeveneshus.dk
Telefon: +45 35291000
Internetiaadress: http://www.klfu.dk
Selle organisatsiooni rollid:
Vaidlustusorgan

8.1. ORG-0003
Ametlik nimi: Konkurrence- og Forbrugerstyrelsen
Registreerimisnumber: 10294819
Postiaadress: Carl Jacobsens Vej 35
Linn: Valby
Sihtnumber: 2500
Riik – jaotus (NUTS): Byen København (DK011)
Riik: Taani
E-posti aadress: kfst@kfst.dk
Telefon: +45 41715000
Internetiaadress: http://www.kfst.dk
Selle organisatsiooni rollid:
Organisatsioon, mis annab lisateavet vaidlustamise kohta

8.1. ORG-0004
Ametlik nimi: Aconity3D GmbH
Ettevõtja suurus: Keskmise suurusega ettevõtja
Registreerimisnumber: DE311887374
Postiaadress: An den Glaswerken 2
Linn: Herzogenrath
Sihtnumber: 52134
Riik – jaotus (NUTS): Städteregion Aachen (DEA2D)
Riik: Saksamaa

Selle organisatsiooni rollid:
Pakkuja
Nende osade puhul edukas pakkuja: LOT-0000

8.1. ORG-0005
Ametlik nimi: Mercell Holding ASA
Registreerimisnumber: 980921565
Postiaadress: Askekroken 11
Linn: Oslo
Sihtnumber: 0277
Riik – jaotus (NUTS): Oslo (NO081)
Riik: Norra
Kontaktpunkt: eSender
E-posti aadress: publication@mercell.com
Telefon: +47 21018800
Faks: +47 21018801
Internetiaadress: http://mercell.com/
Selle organisatsiooni rollid:
TED eSender

Teave teate kohta

Teate tunnus/versioon: 85a1fa74-139a-47cd-9ba2-05d999664ea2 - 01
Vormi liik: Tulemus
Teate liik: Lepingu sõlmimise või kontsessiooni andmise teade – üldkord
Teate alaliik: 29
Teate saatmise kuupäev: 08/01/2026 10:16:20 (UTC+00:00) Lääne-Euroopa aeg, Greenwichi aeg
Teate saatmise kuupäev (eSender): 08/01/2026 10:16:42 (UTC+00:00) Lääne-Euroopa aeg, Greenwichi aeg
Keeled, milles käesolev teade on ametlikult kättesaadav: inglise keel
Teate avaldamise number: 11735-2026
ELT S väljaande number: 6/2026
Avaldamise kuupäev: 09/01/2026