

**Norway-Oslo: Pharmacy services**  
**OJ S 154/2023 11/08/2023**  
**Contract award notice**  
**Services**

**Legal Basis:**

Directive 2014/24/EU

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**Section I: Contracting authority**

**I.1. Name and addresses**

Official name: Sykehusapotekene HF

National registration number: 992281618

Postal address: Biskop Gunnerus`gate 14, 12. etasje

Town: OSLO

NUTS code: NO Norge

Postal code: 0185

Country: Norway

Contact person: Eystein C. Husebye

E-mail: [eystein.christopher.husebye@sykehusapotekene.no](mailto:eystein.christopher.husebye@sykehusapotekene.no)

Telephone: +47 92657997

**Internet address(es):**

Main address: <https://permalink.mercell.com/209561605.aspx>

Address of the buyer profile: <http://www.sykehusapotekene.no/>

**I.4. Type of the contracting authority**

National or federal agency/office

**I.5. Main activity**

Health

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**Section II: Object**

**II.1. Scope of the procurement**

**II.1.1. Title**

Middleware for patient-specific one-dose

Reference number: 2022 0043

**II.1.2. Main CPV code**

85149000 Pharmacy services

**II.1.3. Type of contract**

Services

**II.1.4. Short description**

Middleware for patient-specific one-dose production will be procured for the Norwegian Hospital Pharmacy Trust [Sykehusapotekene HF]. This will replace the previous software called ATC Host. The middleware will contribute to achieving the goals with a closed medicine

loop. This is achieved through automated conversion from the active ingredient to the product and controlled production of patient-labelled one-doses. The contest had a deadline of 13.04.23, and is published here <https://doffin.no/Notice/Details/2023-608689>

#### **II.1.6. Information about lots**

This contract is divided into lots: no

#### **II.1.7. Total value of the procurement**

Value excluding VAT: 25 000 000,00 NOK

### **II.2. Description**

#### **II.2.2. Additional CPV code(s)**

48180000 Medical software package, 48814500 Casemix system

#### **II.2.3. Place of performance**

NUTS code: NO08 Oslo og Viken

#### **II.2.4. Description of the procurement**

A chosen middleware solution is an important element in meeting the goals for a closed medicine loop and should contribute to quality improvement, efficient use of resources, simplification of work processes, as well as efficient operation and management of the solution in close cooperation with a tenderer. A goal has also been set that the new application /middleware can be used in other hospital pharmacies in the South Eastern Norway Regional Health Trust [Helse Sør-Øst (HSØ)], and that it can also be used with other packing machines than those from Baxter. SAHF would like a system that can be expanded to other health trusts that are owned by HSØ if the need should arise.

The system must fulfil statutory requirements for personal protection and information security. The functionality in the system must be flexible and contribute to making the hospital pharmacies' work processes more efficient. The system must always be in accordance with the current laws and rules, and it must be easy to configure for adjustments in work processes. It is easy to extract registered data, with good structures for data acquisition, so that further processing and analysis can be undertaken.

The middleware will communicate with the basket system that is in use in HSØ. This is IMDsoft Metavision. The doctor prescribes medicines to patients through the basket system on the active ingredient level, not the product level. Furthermore the middleware must be able to communicate with different production machines in order to start production of patient-specific one-doses. These are the two most important integrations. We would like access control through single-sign-on, based on the role the person has. We use basic data connected to medicines from the FEST/SAFEST database, but we can also look are reusing master data here from other sources that already use FEST. We would like stock status updates to be visible in the middleware. We envisage obtaining this directly from the stock management systems (ERP).

A central functionality of the middleware will be converting prescriptions (for the active ingredient) into a commercial product that we can package as patient-labelled single doses/a product that can be dispensed and delivered to the Hospital Pharmacy by post.

A further description of the desired functionality is provided in SSA-K Annex 3 and the requirements in SSA-K Annex 1.

Important considerations that affect the purpose of the procurement (project goal):

The system

- Contribute to fulfilling the goals of the closed medicine loop, provide increased patient safety, meet information security and personal protection requirements, ensure stable operation and access to relevant competence for the maintenance and development of the system.
- Support an improved and more automated work process, as well as contribute to efficiency and quality control of medicine deliveries in the form of one-doses labelled for patients in the hospital. A possible added value of the system would be the possibility to pick and process orders for other commercial or prepared products (not only packaged as single doses) for a complete delivery of the medicines from the hospital pharmacy to the post.
- Makes it possible to track the process before production. Evaluations and approvals must be made by the right person and production must only be commenced by an approved person.
- Is user friendly and has a short response time. Is in Norwegian and supports HSØ's goals for company architecture and architecture principles (see SSA-K Annex 3 and chapter 4 and 5 here)
- Has a pricing and licensing model that ensures incentives for scaling, good hospital economics, efficient operation and management of the system.

#### **II.2.5. Award criteria**

Quality criterion - Name: Fulfilment of requirement specifications, system description and implementation plan / Weighting: 30-40%

Quality criterion - Name: The Tenderer's offered additional values and proposed measures to reduce the contracting authority's risk / Weighting: 5-15%

Quality criterion - Name: Competence of the supplier's key personnel / Weighting: 5-15%

Price - Weighting: 30-40%

#### **II.2.11. Information about options**

Options: yes

Description of options:

Maintenance contract and license agreement. System development and further deployment.

Extension of the agreement up to a maximum of 8 years

#### **II.2.13. Information about European Union funds**

The procurement is related to a project and/or programme financed by European Union funds:  
no

#### **II.2.14. Additional information**

### **Section IV: Procedure**

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#### **IV.1. Description**

##### **IV.1.1. Type of procedure**

Open procedure

##### **IV.1.3. Information about a framework agreement or a dynamic purchasing system**

##### **IV.1.8. Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: yes

#### **IV.2. Administrative information**

##### **IV.2.1. Previous publication concerning this procedure**

Notice number in the OJ S: [2023/S 035-103713](#)

#### **IV.2.8. Information about termination of dynamic purchasing system**

#### **IV.2.9. Information about termination of call for competition in the form of a prior information notice**

### **Section V: Award of contract**

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**Contract No:** 1

**Title:**

Middleware for patient-specific one-dose production

A contract/lot is awarded: yes

#### **V.2. Award of contract**

##### **V.2.1. Date of conclusion of the contract**

07/07/2023

##### **V.2.2. Information about tenders**

Number of tenders received: 3

Number of tenders received from SMEs: 3

Number of tenders received from tenderers from other EU Member States: 3

Number of tenders received from tenderers from non-EU Member States: 0

Number of tenders received by electronic means: 3

The contract has been awarded to a group of economic operators: no

##### **V.2.3. Name and address of the contractor**

Official name: Thula Nordic Source Solutions

National registration number: 660588-1089

Town: 600, Akureyri

NUTS code: IS Ísland

Country: Iceland

The contractor is an SME: yes

##### **V.2.4. Information on value of the contract/lot**

Total value of the contract/lot: 17 517 210,00 NOK

##### **V.2.5. Information about subcontracting**

### **Section VI: Complementary information**

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#### **VI.3. Additional information**

#### **VI.4. Procedures for review**

##### **VI.4.1. Review body**

Official name: Oslo Tingrett

Town: Oslo

Country: Norway

##### **VI.4.2. Body responsible for mediation procedures**

Official name: KOFA

Town: Bergen

Country: Norway

**VI.4.4. Service from which information about the review procedure may be obtained**

Official name: SYKEHUSAPOTEKENE HF

Postal address: Biskop Gunnerus' gate 14A

Town: OSLO

Postal code: 0185

Country: Norway

E-mail: [eysteinch@sykehusapotekene.no](mailto:eysteinch@sykehusapotekene.no)

**VI.5. Date of dispatch of this notice**

08/08/2023