

## 243530-2024 - Réamhfhógra maidir le dámhachtain dhíreach

An Ísiltír – Industrial or laboratory furnaces, incinerators and ovens – High Temperature Furnace

OJ S 81/2024 24/04/2024

Fógra trédhearcachta ex ante deonach

Soláthairtí

### 1. Ceannaitheoir

---

#### 1.1. Ceannaitheoir

Ainm oifigiúil: Technische Universiteit Delft

R-phost: [D.PiresRamos@tudelft.nl](mailto:D.PiresRamos@tudelft.nl)

### 2. Nós imeachta

---

#### 2.1. Nós imeachta

Teideal: High Temperature Furnace

Cur síos: The Department of Materials Science and Engineering is researching the reaction kinetics and thermodynamics during steelmaking processes at high temperatures (1600 - 1700 oC). The high temperature furnace must satisfy the following conditions: •Resistance heated vertical tube furnace •Allowing for top loading •Operating temperature would be between 1600 and 1700oC, therefore max temp should be 1800 oC and potentially -2000oC •Dimensions as follows: footprint: 2 m x 1 m (including auxiliaries such as power supply, furnace body, control unit) and height: ca. 1.8 m, weight: maximum 1,600 kg The inner diameter of the hearth: approximately 200 mm, and the height: approximately 400 mm, The effective volume (hot /isothermal zone): 6-8 liters •Usable for different experimental projects with and without a vacuum condition •Including vacuum unit down to 10-4 mbar •Resistance to work under various reactive gas atmosphere such as Ar, N2, H2, SO2, Cl2 and O2 gases •Allowing for gas injection, reagent injection of sulphide minerals or chlorides (from the top of the furnace) to study the interactions of steel melt with contaminations from scrap, at the temperature above the melting point of steel (~1600°C), •Resistant to selective copper extraction(s) from solid steel scrap with molten aluminium (liquid – solid), at temperatures of 800-1000 °C. •Usable for experiments on reactions between slag and scrap at 1600 - 1700°C. •Intermittent sampling of liquid/molten melts from the top via ceramic tubes. Based on the results of our market analysis, we conclude that the Typ XVAC – VF Top – T1800 – Ø200H400 – V10e-4mbar - MFC1 system offered by Xerion is the only system which meets all of the above listed requirements.

Aitheantóir an nós imeachta: 83105bbc-b014-4c39-bb3d-4c2caba6393c

Aitheantóir inmheánach: High temperature Furnace - 10266

An cineál nós imeachta: Idirbheartaíocht lena mbaineann glao roimh ré ar iomaíocht

##### 2.1.1. Cuspóir

Cineál an chonartha: Soláthairtí

Príomhaicmiú (cpv): 42300000 Industrial or laboratory furnaces, incinerators and ovens

Aicmiú breise (cpv): 45262630 Construction of furnaces

##### 2.1.2. An áit feidhmíochta

Foroinn tíre (NUTS): Delft en Westland (NL333)

Tír: An Ísiltír

Eolas breise: Zie documentatie

#### 2.1.4. Eolas ginearálta

Eolas breise: Please see attached documents and requirements

**Bunús dlí:**

Treoir 2014/24/AE

## 5. Luchtóg

---

### 5.1. Luchtóg: LOT-0000

Teideal: High Temperature Furnace

Cur síos: The Department of Materials Science and Engineering is researching the reaction kinetics and thermodynamics during steelmaking processes at high temperatures (1600 - 1700 oC). The high temperature furnace must satisfy the following conditions: •Resistance heated vertical tube furnace •Allowing for top loading •Operating temperature would be between 1600 and 1700oC, therefore max temp should be 1800 oC and potentially -2000oC •Dimensions as follows: footprint: 2 m x 1 m (including auxiliaries such as power supply, furnace body, control unit) and height: ca. 1.8 m, weight: maximum 1,600 kg The inner diameter of the hearth: approximately 200 mm, and the height: approximately 400 mm, The effective volume (hot /isothermal zone): 6-8 liters •Usable for different experimental projects with and without a vacuum condition •Including vacuum unit down to 10<sup>-4</sup> mbar •Resistance to work under various reactive gas atmosphere such as Ar, N<sub>2</sub>, H<sub>2</sub>, SO<sub>2</sub>, Cl<sub>2</sub> and O<sub>2</sub> gases •Allowing for gas injection, reagent injection of sulphide minerals or chlorides (from the top of the furnace) to study the interactions of steel melt with contaminations from scrap, at the temperature above the melting point of steel (~1600°C), •Resistant to selective copper extraction(s) from solid steel scrap with molten aluminium (liquid – solid), at temperatures of 800-1000 °C. •Usable for experiments on reactions between slag and scrap at 1600 - 1700°C. •Intermittent sampling of liquid/molten melts from the top via ceramic tubes. Based on the results of our market analysis, we conclude that the Typ XVAC – VF Top – T1800 – Ø200H400 – V10e-4mbar - MFC1 system offered by Xerion is the only system which meets all of the above listed requirements.

Aitheantóir inmheánach: High temperature Furnace - 10266

#### 5.1.1. Cuspóir

Cineál an chonartha: Soláthairtí

Príomhaicmiú (cpv): 42300000 Industrial or laboratory furnaces, incinerators and ovens

Aicmiú breise (cpv): 45262630 Construction of furnaces

#### 5.1.2. An áit feidhmíochta

Foroinn tíre (NUTS): Delft en Westland (NL333)

Tír: An Ísiltír

Eolas breise: Zie documentatie

#### 5.1.6. Eolas ginearálta

Tionscadal soláthair nach maoinítear le cistí an Aontais

Tá an soláthar cumhdaithe ag an gComhaontú maidir le Soláthar Rialtais (GPA): tá

Eolas breise: Please see attached documents and requirements

#### 5.1.16. Tuilleadh eolais, idirghabháil agus athbhreithniú

Eagraíocht athbhreithniúcháin: rechtbank Den Haag

Eagraíocht atá ag síniú an chonartha: Technische Universiteit Delft

## 6. Torthaí

---

Luach gach conradh a bronnadh sa fógra seo: 292 600,00 EUR

### 6.1. Aitheantóir birt na dtorthaí: LOT-0000

#### 6.1.2. Eolas faoi bhuaiteoirí

##### Buaiteoir12:

Ainm oifigiúil: XERION BERLIN LABORATORIES® GmbH

##### Tairiscint:

Aitheantóir tairisceana: 10266

Aitheantóir luchtóige nó grúpa luchtóg: LOT-0000

Luach an tairisceana: 292 600,00 EUR

Rangaíodh an tairiscint: níl

Fochonraitheoireacht: Ní hea

##### Eolas faoin gconradh:

Aitheantóir an chonartha: XERION- Quotation No. 5054 / 2024 / 04

Teideal: yp XVAC – VF Top – T1800 – Ø200H400 – V10e-4mbar - MFC1 system

An dáta a roghnaíodh an buaiteoir: 19/04/2024

##### Faisnéis faoi Chistí an Aontais Eorpaigh:

Eagraíocht atá ag síniú an chonartha: Technische Universiteit Delft

## 8. Eagraíochtaí

---

### 8.1. ORG-0001

Ainm oifigiúil: Technische Universiteit Delft

Uimhir chlárúcháin: 27364265

Seoladh poist: Stevinweg 1 5e etage

Baile: Delft

Cód poist: 2628CN

Tír: An Ísiltír

Pointe teagmhála: Dério Ramos

R-phost: [D.PiresRamos@tudelft.nl](mailto:D.PiresRamos@tudelft.nl)

Teil.: +31 628743095

Próifíl an cheannaitheora: <https://s2c.mercell.com/buyer/7487>

##### Róil na heagraíochta seo:

Ceannaitheoir

Eagraíocht atá ag síniú an chonartha

### 8.1. ORG-0002

Ainm oifigiúil: rechtbank Den Haag

Baile: den haag

Tír: An Ísiltír

R-phost: [bewind.dhg@rechtspraak.nl](mailto:bewind.dhg@rechtspraak.nl)

Teil.: 088 361 20 50

##### Róil na heagraíochta seo:

Eagraíocht athbhreithniúcháin

### 8.1. ORG-0003

Ainm oifigiúil: XERION BERLIN LABORATORIES® GmbH

Méid an oibreora eacnamaíoch: Fiontar meánmhéide

Is duine nádúrtha í an eagraíocht

Baile: Berlin

Tír: An Ghearmáin

R-phost: [info@xerion.de](mailto:info@xerion.de)

Teil.: +49 30200 970 20

**Róil na heagraíochta seo:**

Tairgeoir

**Buaiteoir na mbeart seo: LOT-0000**

## Eolas faoin bhfógra

---

Aitheantóir/leagan an fhógra: d22fdc7e-4ba0-49c6-a72d-1726cde30433 - 01

Cineál na foirme: Réamhfhógra maidir le dámhachtain dhíreach

Cineál an fhógra: Fógra trédhearcachta ex ante deonach

Fochineál an fhógra: 25

Dáta seolta an fhógra: 22/04/2024 13:56:00 (UTC+00:00) Am Iarthar na hEorpa, GMT

Dáta seolta an fhógra (eSender): 22/04/2024 13:56:18 (UTC+00:00) Am Iarthar na hEorpa, GMT

Na teangacha ina bhfuil an fógra seo ar fáil go hoifigiúil: Ollainnis

Uimhir foilseacháin an fhógra: 243530-2024

Uimhir eagráin IO S: 81/2024

Dáta foilsithe: 24/04/2024