

**Denmark-Copenhagen: Electrical installation work**  
**OJ S 107/2022 03/06/2022**  
**Contract award notice**  
**Works**

**Legal Basis:**

Directive 2014/24/EU

---

**Section I: Contracting authority**

**I.1. Name and addresses**

Official name: Femern Bælt A/S  
National registration number: 28986564  
Postal address: Vester Søgade 10  
Town: København V  
NUTS code: DK011 Byen København  
Postal code: 1601  
Country: Denmark  
Contact person: Jonathan Jacobson  
E-mail: [info@femern.dk](mailto:info@femern.dk)  
Telephone: +45 33414453  
**Internet address(es):**  
Main address: [www.femern.com](http://www.femern.com)

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

Other type: A state owned special purpose vehicle

**I.5. Main activity**

Other activity: Femern A/S's sole activity is the procurement, construction and operation of the fixed link across the Fehmarnbelt and any ancillary activities related to this purpose

---

**Section II: Object**

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

**II.1.1. Title**

Tender for the Tunnel Electrical and Mechanical contract for the Fehmarnbelt Fixed Link

**II.1.2. Main CPV code**

45310000 Electrical installation work

**II.1.3. Type of contract**

Works

**II.1.4. Short description**

The Fehmarnbelt Fixed Link Project is the final stage in the realisation of a straight traffic corridor between Scandinavia and continental Europe. It will be an immersed tunnel containing two dual carriageways and a twin-track railway traversing the 19 km distance across the Fehmarnbelt (\*transportation infrastructure) between Rødbyhavn on the island of Lolland in Denmark and Puttgarden on the island of Fehmarn in northern Germany. The Tunnel Electrical and Mechanical ('TEM') contract covers the mechanical, electrical, instrumentation,

control and automation (MEICA) systems for the tunnel. The purpose of the MEICA systems is to enable Femern A/S to efficiently control the operation, maintenance, safety and security of the tunnel through an integrated set of systems. Femern A/S requires MEICA systems that deliver a high level of reliability, availability, maintainability and safety.

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

This contract is divided into lots: no

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

Value excluding VAT: 750 000 000,00 EUR

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

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

31682210 Instrumentation and control equipment, 31682510 Emergency power systems, 34993100 Tunnel lighting, 34996000 Control, safety or signalling equipment for roads, 35110000 Firefighting, rescue and safety equipment, 35111500 Fire suppression system, 35113300 Safety installations, 42500000 Cooling and ventilation equipment, 42520000 Ventilation equipment, 42961200 Scada or equivalent system, 45223100 Assembly of metal structures, 45233292 Installation of safety equipment, 45311000 Electrical wiring and fitting work, 45312300 Antenna installation work, 45315300 Electricity supply installations, 45331200 Ventilation and air-conditioning installation work, 45350000 Mechanical installations, 48000000 Software package and information systems, 50000000 Repair and maintenance services, 71541000 Construction project management services

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

NUTS code: DK022 Vest- og Sydsjælland

NUTS code: DEF08 Ostholstein

Main site or place of performance: Rødbyhavn

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

The TEM contractor will be required to design, install and complete the tunnel MEICA systems (\*design and build electrical and mechanical contract) and provide reliability-centred maintenance (\*maintenance) for the tunnel MEICA systems for a period envisaged to be 3 years (coinciding with the defects notification period in the TEM contract). In addition, the TEM contractor will be required to provide IT services for a period of up to 10 years after hand over. The MEICA systems shall provide a safe travel environment, monitor the tunnel and respond to incidents in accordance with the road and rail safety strategies for the tunnel. The systems shall be integrated through the control system to provide coordinated control and response of the individual systems.

The mechanical systems include:

- ventilation (jet fans in the road and rail tubes and pressurisation for the central gallery)
- drainage
- cooling to the basements of the special elements
- emergency doors in the road and rail tubes
- fire-fighting and suppression systems
- cabinets for emergency stations and fire hydrants
- cable ways in the gallery
- building services.

The electrical systems include:

- LV and MV electricity distribution
- uninterrupted power supply systems

- lighting to the road tubes (including light attenuation screens at entrances and exits), gallery, portal building and special elements
- aesthetic lighting system in the road tubes
- emergency lighting in the road and rail tubes.

The instrumentation, control and automation (ICA) systems include:

- monitoring systems (CCTV, automated incident detection, air quality monitoring, fire detection, weather stations and access control)
- Central control systems (it platform, tunnel control logic, human machine interface, road traffic management, data network, link control room arrangement and integrations) (\*control system)
- communication systems (public address system, distributed antennae systems for TETRA, GSM-R, GSM, FM and DAB transmissions, FM/DAB break-in functions and phones in roadside emergency stations).

The TEM contract is large scale and complex. It requires the contractor to manage design, planning, procurement, programming, installation, testing, integration into a centralised control system and testing, commissioning and handover of a large number of individual systems (as stated above) covering multiple disciplines and supply chains (\*multi-disciplinary works).

The contract requires the contractor to install, test and commission the systems in the tunnel. The tunnel is constructed by the civil works contractors placing pre-cast concrete tunnel elements in sequence from both the portals at Rødbyhavn and Puttgarden. The elements comprise 10 “special elements” located at approximately 1.8km intervals and 79 “standard elements”. The special elements provide plant rooms below road and rail level. The MEICA systems are arranged as repeating 1.8km lengths (covering approximately 900m each side of a special element) for design, installation, testing and commissioning. Execution of the contract requires work across a very long geographical area in a number of locations at the same time and transport of materials, people and equipment over a long duration contract (\*logistics). The repeating lengths allow for incremental testing and continuous improvement. The contract requires configuration of a central control system covering a large complex infrastructure asset to allow the tunnel to be managed in all operational scenarios. The delivery of the control system requires a strong process driven approach focusing on system performance and human machine interaction.

The TEM contractor is expected to carry out the works with full focus on safety (\*safety) and in observation of principles set out in terms of ethical, social and environmental behaviour (e.g. UNGC global compact, labour related obligations, use of apprentices) (\*compliance with CSR requirements).

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

Quality criterion - Name: Execution and logistics / Weighting: 15 %

Quality criterion - Name: Key Persons and organization / Weighting: 7.5 %

Quality criterion - Name: Technology / Weighting: 7.5 %

Price - Weighting: 70 %

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

Options: no

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

The procurement is related to a project and/or programme financed by European Union funds:  
yes

Identification of the project: The construction of the fixed link across the Fehmarn Belt receives EU funding from the CEF programme under project code 2014-EU-TM-0221-W.

## II.2.14. Additional information

Section II.1.7); The amount was an estimate of the contract price for the entire term of the contract as stated in the Contract Notice ([2021/S 021-048866](#)).

Section IV.2.1); The number is related to the Contract Notice. The Contracting Entity has also published a notice for changes or additional information with notice number [2021/S 028-068365](#) in the OJ S.

---

## Section IV: Procedure

### IV.1. Description

#### IV.1.1. Type of procedure

Competitive procedure with negotiation

#### 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: [2021/S 021-048866](#)

#### 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

**Contract No:** 1

**Title:**

Tender for the Tunnel Electrical and Mechanical contract for the Fehmarnbelt Fixed Link

A contract/lot is awarded: yes

### V.2. Award of contract

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

30/05/2022

#### V.2.2. Information about tenders

Number of tenders received: 3

Number of tenders received from SMEs: 0

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: yes

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

Official name: Sociedad Ibérica de Construcciones Eléctricas S.A.

National registration number: A28002335

Postal address: C/La Granja 72

Town: Alcobendas  
NUTS code: ES300 Madrid  
Postal code: 28108  
Country: Spain  
The contractor is an SME: no

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

Official name: SICE Tecnología Y Sistemas S.A.  
National registration number: A82804170  
Postal address: C/La Granja 72  
Town: Alcobendas  
NUTS code: ES300 Madrid  
Postal code: 28108  
Country: Spain  
The contractor is an SME: no

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

Official name: Cobra Instalaciones Y Servicios S.A.  
National registration number: A46146387  
Postal address: Cardenal Marcelo Spinola, No. 10  
Town: Madrid  
NUTS code: ES300 Madrid  
Postal code: 28016  
Country: Spain  
The contractor is an SME: no

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

Official name: Moncobra S.A.  
National registration number: A78990413  
Postal address: Cardenal Marcelo Spinola, No. 10  
Town: Madrid  
NUTS code: ES300 Madrid  
Postal code: 28016  
Country: Spain  
The contractor is an SME: no

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

Total value of the contract/lot: 579 027 126,00 EUR

**V.2.5. Information about subcontracting**

---

**Section VI: Complementary information**

**VI.3. Additional information**

Section V.2.4); the amount is the contract price (corresponding to SICE-Cobra's evaluation-technical price of 522,864,125.00).

**VI.4. Procedures for review**

**VI.4.1. Review body**

Official name: Klagenævnet for Udbud  
Postal address: Nævnenes Hus, Toldboden 2

Town: Viborg  
Postal code: 8800  
Country: Denmark  
E-mail: [klfu@naevneneshus.dk](mailto:klfu@naevneneshus.dk)  
Telephone: +45 72405600  
Internet address: <https://klfu.naevneneshus.dk/>

#### **VI.4.3. Review procedure**

Precise information on deadline(s) for review procedures:

Pursuant to the Danish Act on the Complaints Board for Public Procurement, etc. (lov om Klagenævnet for Udbud m.v.) (the Act is available (in Danish) at [www.retsinformation.dk](http://www.retsinformation.dk)), the following deadlines apply to the lodging of complaints:

Complaints for not having been selected must be submitted to the Danish Complaints Board for Public Procurement before the expiry of 20 calendar days, see section 7(1) of the Act, from the day after submission of notification to the candidates concerned of the identity of the successful tenderer where the notification is accompanied by an explanation of the grounds for the decision in accordance with section 2(1), para (1) of the Act and section 171(2) of the Danish Public Procurement Act.

In other situations, complaints of award procedures, see section 7(2) of the Act, must be lodged with the Danish Complaints Board for Public Procurement before the expiry of:

1) 45 calendar days after the contracting entity has published a notice in the Official Journal of the European Union that the contracting entity has entered into a contract. The deadline is calculated from the day after the day when the notice was published.

2) 30 calendar days calculated from the day after the day when the contracting entity has notified the candidates concerned that a contract based on a framework agreement with reopening of competition or a dynamic purchasing system has been entered into where the notification has included an explanation of the relevant grounds for the decision.

3) 6 months after the contracting entity entered into a framework agreement calculated from the day after the day when the contracting entity notified the candidates and tenderers concerned, see section 2(2) of the Act and section 171(4) of the Danish Public Procurement Act.

4) 20 calendar days calculated from the day after the contracting entity has submitted notification of its decision, see section 185(2) of the Danish Public Procurement Act.

Not later than at the time of lodging a complaint with the Danish Complaints Board for Public Procurement, the complainant must notify the contracting entity in writing that a complaint has been lodged with the Danish Complaints Board for Public Procurement and whether the appeal was lodged during the standstill period, see section 6(4) of the Act. In cases where the complaint was not lodged within the standstill period, the complainant must furthermore indicate whether a suspensory effect of the complaint has been requested, see section 12(1) of the Act.

The e-mail address of the Complaints Board for Public Procurement is set out in section VI.4.1.

The Complaints Board's own complaints procedure is available at <https://naevneneshus.dk/start-din-klage/klagenaevnet-for-udbud/vejledning/>

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

Official name: Konkurrence- og Forbrugerstyrelsen

Postal address: Carl Jacobsens Vej 35

Town: Valby

Postal code: 2500

Country: Denmark

E-mail: [kfst@kfst.dk](mailto:kfst@kfst.dk)

Telephone: +45 41715000

Internet address: <http://www.kfst.dk>

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

30/05/2022