

**Ireland-Rathkeale: Electrical machinery, apparatus, equipment and consumables; lighting**  
**OJ S 236/2017 08/12/2017**  
**Contract award notice**  
**Supplies**

**Legal Basis:**

Directive 2014/24/EU

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**Section I: Contracting authority**

**I.1. Name and addresses**

Official name: Design Pro Ltd

National registration number: IE 6400612O

Postal address: Rathkeale Industrial Estate

Town: Rathkeale

NUTS code: IE051 Mid-West

Postal code: Co Limerick V94 ESC

Country: Ireland

Contact person: Vincent McCormack

E-mail: [vmccormack@designpro.ie](mailto:vmccormack@designpro.ie)

Telephone: +353 6963842

**Internet address(es):**

Main address: <http://designpro.ie/>

Address of the buyer profile: <https://irl.eu-supply.com/ctm/Company/CompanyInformation/Index/144858>

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

Other type: Private Company engaged in EU funded RD&D

**I.5. Main activity**

Other activity: Renewable Energy Generation

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**Section II: Object**

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

**II.1.1. Title**

Design, specify and supply an AC to AC power take off and control system for 25kW Hydro-kinetic Turbine.

Reference number: DesignPro DPR25 PTO & Control

**II.1.2. Main CPV code**

31000000 Electrical machinery, apparatus, equipment and consumables; lighting

**II.1.3. Type of contract**

Supplies

**II.1.4. Short description**

DesignPro is developing a prototype 25kW hydro-kinetic turbine to convert kinetic energy in water flows to electrical power. The design of unit incorporates 2 hydro-kinetic turbines that each drive standard induction motors via an in line gearbox to generate 3 phase AC power.

The power output varies with the rotation of the turbines. DesignPro requires an integrated PLC control system + AC to AC power take off system that can utilise the operational parameters of standard 3 phase induction motors to control turbine rotational speed so as to optimise power output and efficiency. The system must also be capable of adapting the initial power outputs of the induction motors to a standard that is acceptable for injection into the power grid. The gearboxes and induction motors will be supplied separately and do not form part of this tender request. Tenders for the design, specification and supply of the PLC control system + AC to AC power take off are being requested.

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

This contract is divided into lots: no

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

Value excluding VAT: 40 716,00 EUR

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

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

31200000 Electricity distribution and control apparatus

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

NUTS code: IE051 Mid-West

Main site or place of performance: Design and bench testing at supplier site, prototype integration and testing at DesignPro site.

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

DesignPro is developing a prototype 25kW hydro-kinetic turbine to convert kinetic energy in water flows to electrical power. The design of unit incorporates 2 hydro-kinetic turbines that each drive standard induction motors via an in line gearbox to generate 3 phase AC power. The power output varies with the rotation of the turbines. DesignPro requires an integrated PLC control system + AC to AC power take off system that can utilise the operational parameters of standard 3 phase induction motors to control turbine rotational speed so as to optimise power output and efficiency. The system must also be capable of adapting the initial power outputs of the induction motors to a standard that is acceptable for injection into the power grid. The gearboxes and induction motors will be supplied separately and do not form part of this tender request. Tenders for the design, specification and supply of the PLC control system + AC to AC power take off are being requested.

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

Quality criterion - Name: Capability of respondent / Weighting: 20

Quality criterion - Name: Suitability of proposed solution / Weighting: 40

Price - Weighting: 40

#### **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:

#### **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: no

### IV.2. Administrative information

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

Notice number in the OJ S: [2017/S 181-370235](#)

#### 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:**

Design, specify and supply an AC to AC power take off and control system for 25kW Hydro-kinetic Turbine

A contract/lot is awarded: yes

### V.2. Award of contract

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

22/11/2017

#### V.2.2. Information about tenders

Number of tenders received: 2

Number of tenders received from SMEs: 1

Number of tenders received from tenderers from other EU Member States: 1

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

Number of tenders received by electronic means: 2

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

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

Official name: Mitsubishi Electric Ireland

National registration number: 6602014S

Postal address: Westgate Business Park

Town: Dublin

NUTS code: IE051 Mid-West

Postal code: Ballymount Road

Country: Ireland

E-mail: [rachel.obrien@meir.mee.com](mailto:rachel.obrien@meir.mee.com)

Telephone: +353 14198856

The contractor is an SME: no

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

Initial estimated total value of the contract/lot: 40 716,00 EUR

Total value of the contract/lot: 40 716,00 EUR

**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: Design Pro Ltd

Postal address: Rathkeale Industrial Estate

Town: Rathkeale

Postal code: V94 E5C0

Country: Ireland

E-mail: [vmccormack@designpro.ie](mailto:vmccormack@designpro.ie)

Telephone: +353 6967150

Internet address: <http://designpro.ie/>

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

04/12/2017