

**Ireland-Rathkeale: Research and development services and related consultancy services**

OJ S 144/2017 29/07/2017

**Contract notice  
Services****Legal Basis:**

Directive 2014/24/EU

**Section I: Contracting authority**

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**I.1. Name and addresses**

Official name: Design Pro Ltd

National registration number: IE 64006120

Postal address: Rathkeale Industrial Estate, Co. Limerick

Town: Rathkeale

NUTS code: IE023 Mid-West

Postal code: V94 ESC

Country: Ireland

Contact person: Karolina Mazurek

E-mail: [accounts@designpro.ie](mailto:accounts@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.3. Communication**The procurement documents are available for unrestricted and full direct access, free of charge, at: [http://irl.eu-supply.com/app/rfq/rwlenrance\\_s.asp?PID=116315&B=ETENDERS\\_SIMPLE](http://irl.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=116315&B=ETENDERS_SIMPLE)[PID=116315&B=ETENDERS\\_SIMPLE](http://irl.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=116315&B=ETENDERS_SIMPLE)

Additional information can be obtained from the abovementioned address

Tenders or requests to participate must be submitted electronically via: [http://irl.eu-supply.com/app/rfq/rwlenrance\\_s.asp?PID=116315&B=ETENDERS\\_SIMPLE](http://irl.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=116315&B=ETENDERS_SIMPLE)

Tenders or requests to participate must be submitted to the abovementioned address

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

Other type: private company engaged in EU funded RD&amp;D

**I.5. Main activity**

Other activity: renewable energy generation

**Section II: Object**

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**II.1. Scope of the procurement****II.1.1. Title**

Computational Fluid Dynamic Modelling Services for Hydro-kinetic Turbine.

Reference number: PDR CFD Services

**II.1.2.**

**Main CPV code**

73000000 Research and development services and related consultancy services

**II.1.3. Type of contract**

Services

**II.1.4. Short description**

Computational Fluid Dynamic (CFD) modelling, numerical modelling, and strength calculations using the OpenFOAM modelling system will be used to develop performance models that will assist to scale up an 8 kw pilot scale hydro-kinetic turbine to 25 kw and 60 kw commercial scale models. Outputs of iterative CFD performance models be validated against data collected from experimental testing to support recommended turbine blade designs, algorithms to control rotational patterns, vessel housing and mooring designs and other parameters to optimise power generation from the commercial scale hydro-kinetic turbine devices. CFD modelling services will be required over a c. 24 month period, which will include supply and installation of test instrumentation to validate test unit performance against model predictions. Travel to testing sites will be required.

**II.1.5. Estimated total value**

Value excluding VAT: 140 000,00 EUR

**II.1.6. Information about lots**

This contract is divided into lots: no

**II.2. Description****II.2.2. Additional CPV code(s)**

73200000 Research and development consultancy services, 73220000 Development consultancy services

**II.2.3. Place of performance**

NUTS code: IE023 Mid-West

NUTS code: IE Éire / Ireland

Main site or place of performance: Rathkeale, Co. Limerick, Ireland.

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

Computational Fluid Dynamic (CFD) modelling, numerical modelling, and strength calculations using the OpenFOAM modelling system to develop performance models that will assist to scale up an 8 kw pilot scale hydro-kinetic turbine to 25 kw and 60 kw commercial scale models. Outputs of iterative CFD performance models be validated against data collected from experimental testing to support recommended turbine blade designs, control algorithms and vessel housing and mooring designs.

**II.2.5. Award criteria**

Price is not the only award criterion and all criteria are stated only in the procurement documents

**II.2.6. Estimated value**

Value excluding VAT: 140 000,00 EUR

**II.2.7. Duration of the contract, framework agreement or dynamic purchasing system**

Duration in months: 24

This contract is subject to renewal: no

#### **II.2.10. Information about variants**

Variants will be accepted: no

#### **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**

Forward tender responses including comprehensive quotes as described in tender documentation with a copy to [vmccormack@designpro.ie](mailto:vmccormack@designpro.ie) no later than 30.8.2017 at 18:00.

### **Section III: Legal, economic, financial and technical information**

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#### **III.1. Conditions for participation**

##### **III.1.1. Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers**

List and brief description of conditions:

Respondent must be able to demonstrate professional capacity to undertake work and provide history of similar projects undertaken.

##### **III.1.2. Economic and financial standing**

List and brief description of selection criteria:

Respondent must be able to demonstrate suitable insurance coverage, tax clearance and financial capacity to undertake advertised work.

##### **III.1.3. Technical and professional ability**

Selection criteria as stated in the procurement documents

#### **III.2. Conditions related to the contract**

##### **III.2.3. Information about staff responsible for the performance of the contract**

Obligation to indicate the names and professional qualifications of the staff assigned to performing the contract

### **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.2.2. Time limit for receipt of tenders or requests to participate**

Date: 30/08/2017 Local time: 18:00

**IV.2.3. Estimated date of dispatch of invitations to tender or to participate to selected candidates**

**IV.2.4. Languages in which tenders or requests to participate may be submitted**  
English

**IV.2.6. Minimum time frame during which the tenderer must maintain the tender**  
Duration in months: 20 (from the date stated for receipt of tender)

**IV.2.7. Conditions for opening of tenders**  
Date: 30/08/2017 Local time: 18:00

**Section VI: Complementary information**

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**VI.1. Information about recurrence**

This is a recurrent procurement: no

**VI.2. Information about electronic workflows**

Electronic invoicing will be accepted

Electronic payment will be used

**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: [accounts@designpro.ie](mailto:accounts@designpro.ie)

Telephone: +353 6967150

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

27/07/2017