**Invitation to Tender**

**Spray Booth**

**BUS002 BG 069\_2**

# 1. About Ultimate Protection Ltd

Ultimate Protection Group is a team of commercial coatings and flooring installers working across all industries, providing high performance, industry-specific finishes proven in some of the world’s most demanding conditions, from intumescent protection to boat paint.

Our roots are in Cornwall’s long-standing maritime and port sector. We're specialists in superyacht finishing. And today we deliver resin flooring and commercial coating services, and products, to customers operating in a wide range of sectors, from education to warehousing.

# 2. Background and Context

Ultimate Protection has some big expansion plans, and a major part of these plans is the relocation to a new premises which will support business growth goals and provide much needed space, infrastructure and equipment. This will allow us to increase our operational capacity and productivity, and offer new services and training avenues.

The business relocation is planned for May 2024 and the new premises will provide Ultimate Protection with sufficient space for the installation of a high-end spray booth and oven unit. The spray booth will be used as a training centre for new painters in the region who can achieve fully accredited industrial coating application training. The spray booth will also be used for high-end paint finishing projects, prodominentely maritime superyacht finishing.

The purchase of this system is part of a grant funded application process and therefore procurement will be subject to grant approval of the project. We will assess tenders received on lowest compliant Tender.

# 3. Tender requirements

Quote to supply and erect proposed works including all necessary equipment and machinery. Specifications and standards detailed in this section must be met as a minimum. The successful tenderer will be expected to undertake the following activities:

3.1 Supply and install free-standing spray booth / oven unit combination

**3.2 Layout and Operation:**

1. Required facility to be a combination spray booth / oven unit which can be used for both paint application and curing the paint work with a low bake stoving mode.
2. Nominal Internal Dimensions: Length 10m, Width 5m, Height 3.5m

**3.3 Construction - General**

1. The main structure to comprise of vertical double skin white steel panels which are fixed together on installation.
2. The roof to be manufactured in single skin galvanised steel with an explosion relief area incorporated.
3. Vertical panels to sit within floor channels which are screwed to the floor, the shell is then mechanically fixed to aid sealing and give the booth rigidity. Plenum area and lights to be fully sealed after erection to prevent ingress of dirty air.
4. The spray booth must be a free standing enclosure independent of other buildings. The unit will be an internal unit fitted within an existing building.

**3.4 Construction Vehicle Doors**

1. Nominal door opening to be 4.5m wide x 3.5m high electrically operated roller shutter door.
2. The door must be able to gain a complete seal. Doors to be located at the front of the booth.

**3.5 Construction Personnel Door:**

1. 1 x off emergency escape door is to be fitted at the rear of the booth as the site location dictates.
2. This door to be double skin, self-closing and fitted with a laminated glazing panel.
3. The door must incorporate an easily replaceable seal, giving good seal.

**3.6 Construction Lighting:**

1. Light system to comprise multi-cluster LED’s to required standards, units fitted at corner roof level.
2. Average illumination level to be 1200 lux.

**3.7 Performance Data General:**

This spray booth requires a down draught air movement with the following air flow characteristics:

* 1. Nominal Air Capacity 25,000 m3/Hr.
	2. Spray temperature rise availability above ambient 22°C
	3. Bake temperature with recirculation 80° C
	4. Heater Output Capacity 170 kW

**3.8 Input System:**

1. The spray booth requires an air handling plant to give air input into the top of the spray booth, to create a down draught air movement within the booth.
2. The main input plant will incorporate a double inlet centrifugal fan unit.
3. The fan unit has a 500mm impellor and is fitted with a 7.5 kW 3 phase motor.
4. A direct gas fired heater is fitted into the duct system to give a temperature rise availability of 22°C above ambient in the spray cycle.
5. In the bake cycle the air will recirculate through the heating system to optimize fuel costs and give a bake temperature of 80°C
6. Automatic control dampers are fitted into the system for switching between spray and bake mode.
7. Air from atmosphere will enter the duct system and be heated to the required temperature, it will then enter the booth via a ceiling plenum chamber. Air will diffuse into the booth through a EU5 fine filter media.
8. The filters are fitted uniformly within the ceiling at the front of the booth into easily accessed hinged frames which trap the filter in position to ensure all air is filtered prior to booth entry.
9. All the input and extract plant is mounted on the chest at the rear.

**3.9 Extraction System and Filtration:**

1. Air to be extracted from the booth via a rear low level chest. The chest needs to be fitted with a two stage dry filtration system (EU3 and EU2 grades). These filters need to be easily accessible.
2. The main extraction fan will be as the input unit.
3. The installed package needs to come complete with the recirculation system, intake and exhaust ducts, including roof plates, skirts, water ingress damper and an accelerator cone. Ducting to be the DW144 standard and in galvanised steel.

**3.10 Control System:**

3.10.1 Comprehensive control panel to be supplied to control the booth giving all necessary functions, indications and readouts for all operations.

3.10.2 The control panel must incorporate the following features:

* 1. Operational mode switching
	2. Temperature readout on Spray mode
	3. Temperature readout on flash-off
	4. Temperature readout on Bake mode
	5. Light Switching
	6. Process cycle time control
	7. Total hours run indication
	8. Adjustment for bake and spray temperature setting, these would be preset and controlled to ensure set limits are not exceeded
	9. Cabin pressure readout by Magnahelic gauge
	10. Automatic shutdown and audible alarm if the booth becomes over pressurised in the spray cycle.

**3.11 Warranty Provision:**

1-year parts and labour warranty as a minimum on installed and commissioned equipment.

**3.12 Installation and Commissioning:**

3.12.1 Electrical wiring must be in plastic conduit and cable trays in accordance with IEE Regulations.

3.12.2 Plant to be commissioned and fully set up on completion and a test certificate of operation and conformity to be given to client together with instruction manual.

3.12.3 Operational training to be given to clients nominated personnel.

4**. Budget**

The total maximum budget available for this commission is £50,000.00 (exc VAT) but inclusive of all expenses.

**Tenders that exceed the total budget will not be considered.**

The budget will be reviewed as part of the tender evaluation detailed in Section 10 and will reflect the degree to which there is a saving on the maximum budget

# 5. Tender and commission timetable

The timescale of the programme is from the date of signing the contract until acceptance by the client. The timetable for submission of the Tender, completion of the programme are set out below.

|  |  |
| --- | --- |
| **Milestone** | **Date** |
| Date ITT available on Contracts Finder | 3 May 2024 |
| Last date for clarifications to queries to be raised | 1700: 10 May 2024 |
| Last date for response to clarifiations to be posted on Contracts Finder | 1700: 13 May 2024 |
| Deadline to return ITT | **1700: 22 May 2024** |
| Evaluation of ITT | 23 May 2024 |
| Preferred supplier notified | 24 May 2024 |
| Award of Contract  | This is subject to successfully obtaining grant funding and will normally be no later than 60 days from contract evaluation |
| Subject to obtaining funding, contract commencement | 2 September 2024 |

# 6. Tender submission requirements

Please include the following information in your Tender submission.

6.1 Please provide your proposal and any necessary technical or specification sheets.

6.2 Complete the compliancy matrix enclosure 1. This should demonstrate how you meet or exceed the requirement in section 3. Where necessary please answer by cross referring to any proposal or technical or specification sheets provided in 6.1.

6.3 Copy of your company’s Terms and Conditions and Payment Plan

**7. Sub-contracting**

Tenderers should note that a consortia can submit a tender but the sub-contracting of aspects of this commission after appointment will only be allowed by prior agreement with Ultimate Protection Ltd.

**8. Conflicts of Interest**

Tenderers must provide a clear statement with regard to potential conflicts of interests. Therefore, **please confirm within your tender submission** whether, to the best of your knowledge, there is any conflict of interest between your organisation and Ultimate Protection Ltd or its programme team that is likely to influence the outcome of this procurement either directly or indirectly through financial, economic or other personal interest which might be perceived to compromise the impartiality and independence of any party in the context of this procurement procedure.

Receipt of this statement will permit Ultimate Protection Ltd to ensure that, in the event of a conflict of interest being notified or noticed, appropriate steps are taken to ensure that the evaluation of any submission will be undertaken by an independent and impartial panel.

# 9. Tender clarifications

Any clarification queries arising from this Invitation to Tender which may have a bearing on the offer should be raised by email to:

info@up-group.uk

in accordance with the Tender and Commission Timetable in section 5.

Responses to clarifications will be anonymised and uploaded by Ultimate Protection Ltd to Contracts Finder and will be viewable to all tenderers.

No representation by way of explanation or otherwise to persons or corporations tendering or desirous of tendering as to the meaning of the tender, contract or other tender documents or as to any other matter or thing to be done under the proposed contract shall bind Ultimate Protection Ltd unless such representation is in writing and duly signed by a Director/Partner of the tenderer. All such correspondence shall be returned with the Tender Documents and shall form part of the contract.

# 10. Tender evaluation methodology

Each Tender will be checked for completeness and compliance with all requirements of the ITT. The award of the contract will be to the LOWEST COMPLIANT BID.

11**. Tender Award**

Any contract awarded as a result of this tender process will be in accordance with this ITT and the tenderer’s response.

# 12. Tender returns

Tenders are to be returned by email.

Tenders are to be returned in accordance with Section 5

Latest date to be returned: As per Section 5

Latest time to be returned: 17:00

Emailed tenders should be sent electronically to

info@up-group.uk

with the following message clearly noted in the Subject box;

‘BUS001 BG 069\_2’

**Tenderers are advised to request an acknowledgement of receipt of their email.**

**13.** **Disclaimer**

The issue of this documentation does not commit Ultimate Protection Ltd to award any contract pursuant to the tender process or enter into a contractual relationship with any provider of the service. Nothing in the documentation or in any other communications made between Ultimate Protection Ltd or its agents and any other party, or any part thereof, shall be taken as constituting a contract, agreement or representation between Ultimate Protection Ltd and any other party (save for a formal award of contract made in writing by Ultimate Protection Ltd or on behalf of Ultimate Protection Ltd).

Tenderers must obtain for themselves, at their own responsibility and expense, all information necessary for the preparation of their tender responses. Information supplied to the tenderers by Ultimate Protection Ltd or any information contained in Ultimate Protection Ltd’s publications is supplied only for general guidance in the preparation of the tender response. Tenderers must satisfy themselves by their own investigations as to the accuracy of any such information and no responsibility is accepted by Ultimate Protection Ltd for any loss or damage of whatever kind and howsoever caused arising from the use by tenderers of such information.

Ultimate Protection Ltd reserves the right to vary or change all or any part of the basis of the procedures for the procurement process at any time or not to proceed with the proposed procurement at all.

Cancellation of the procurement process (at any time) under any circumstances will not render Ultimate Protection Ltd liable for any costs or expenses incurred by tenderers during the procurement process.

# 14. Enclosures

1. Compliancy Matrix