**Invitation to Tender**

**Refurbishment of LBBC Technologies Autoclave**

**Ref: Piran SPF\_01 ver 1**

# 1. About Piran Advanced Composites Limited

# Having worked on world leading projects in a variety of industries as a manufacturer and direct consultant to major projects we have now established ourselves offering a complete service from design, engineering and manufacture of one off, R&D, low volume and high volume structures and components. We have developed novel technologies to be able to offer high quality services to a variety of industries such as Aerospace, Defence, Medical, Automotive and Marine. Our experience ranges from ultra-lightweight novel Aerospace R&D aerostructures through to low/high volume propulsion and flight critical

# Components

# 2. Background and Context

As part of our continued growth and to increase our productivity, we have secured a second hand Autoclave that we wish to have refurbished.

We will assess tenders received on lowest compliant Tender.

# 3. Tender requirements

The successful tenderer will be expected to undertake the following activities:

**3.1 Background**

The equipment is a LBBC Technologies Autoclave. It has a volume 3000mm diameter x 5000mm long with AIG digital control (1992). This was preowned by AMRC and fully serviced by Premier Autoclaves Service & Solutions Limited.

**3.2 Requirement**

1. Decommissioning of the equipment to include strip down- remove bulky panels / frames and load on to the transport.
2. Transport from Factory 2050, Sheffield Business Park, Europa Avenue, Wincobank S9 1ZA to your premises.
3. Full upgrade to aerospace standard
4. New control panel suite with Prodigy control system as used by BAE Systems, Leonardo, Rolls Royce, F1 teams etc
5. New valves with limit switch feedback:
6. Proportional pressure inlet valve
7. Compressed air shut off valve
8. Proportional exhaust valve
9. Proportional pre cool valve
10. Proportional main cooling valve
11. Re-use test valve
12. New vacuum system including all hardware and pipe work
13. Re-use vacuum pump
14. Complete safety upgrade
15. New air probes and product thermocouples throughout
16. New door position switches
17. New pressure monitoring instruments
18. New pneumatics throughout
19. New wiring throughout
20. Re-use heaters
21. Re-use cooling system, integrating into new control system
22. New drain tank and hardware, re-use drain tank pump
23. Re-use door cylinders
24. Re-use shot bolt
25. All upgrade works undertaken at supplier’s to include testing prior to despatch
26. Paint door/ring front yellow frame. Not the vessel or anything back from door ring
27. New motor and direct drive system with stuffing box seal
28. Increase vacuum to 12 zones and thermocouples to 24
29. Transport to Piran’s facility at Southern Hangar 1, Space port Cornwall, Newquay, Cornwall TR84HP
30. Commissioning, testing and training on site at Piran

**3.3 Exclusions:**

* Pipe work at site currently excluded
* Mains electric
* Assumed infrastructure (cable support) in place on site at Piran for supplier to run cooling run signal to cooler and terminate
* Other than where stated, general specification of the machine will remain as is; working size, temperature, pressure, vacuum, thermocouples, heating capabilities etc.
* Beyond the servicing, Piran have in good faith been advised by AMRC as to condition of vessel and hardware. Whilst extremely unlikely, if anything emerges as being different through the upgrade process the supplier is to bring this to the attention as soon as possible.

4**. Budget**

The total maximum budget available for this commission is £147,500.00 (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 Piran Advanced Composites. The timetable for submission of the Tender, completion of the programme are set out below.

|  |  |
| --- | --- |
| **Milestone** | **Date** |
| Date ITT available on Contracts Finder | 8 March 2024 |
| Last date for clarifications to queries to be raised | 1700: 18 March 2024 |
| Last date for response to clarifications to be posted on Contracts Finder | 1700: 19 March 2024 |
| Deadline to return ITT | **1200: 28 March 2024** |
| Evaluation of ITT and award of Contract | 28 March 2028 |
| Delivery within 12 weeks of contract award | 21 June 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 clearly showing how you meet the specific requirements in 3.2

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

6.3 Conflict of Interest statement as per section 8

**7. Sub-contracting**

Tenderers should note that a consortium can submit a tender but the sub-contracting of aspects of this commission after appointment will only be allowed by prior agreement with Piran Advanced Composites Limited.

**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 Piran Advanced Composites Limited 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 Piran Advanced Composites Limited 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:

[procurement@pirancomposites.co.uk](mailto:procurement@pirancomposites.co.uk)

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

Responses to clarifications will be anonymised and uploaded by Piran Advanced Composites Limited 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 Piran Advanced Composites Limited 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

[procurement@pirancomposites.co.uk](mailto:procurement@pirancomposites.co.uk)

with the following message clearly noted in the Subject box;

‘Refurbishment of LBBC Technologies Autoclave’

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

**13.** **Disclaimer**

The issue of this documentation does not commit Piran Advanced Composites Limited 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 Piran Advanced Composites Limited or its agents and any other party, or any part thereof, shall be taken as constituting a contract, agreement or representation between Piran Advanced Composites Limited and any other party (save for a formal award of contract made in writing by Piran Advanced Composites Limited or on behalf of Piran Advanced Composites Limited).

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 Piran Advanced Composites Limited or any information contained in Piran Advanced Composites Limited’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 Piran Advanced Composites Limited for any loss or damage of whatever kind and howsoever caused arising from the use by tenderers of such information.

Piran Advanced Composites Limited 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 Piran Advanced Composites Limited liable for any costs or expenses incurred by tenderers during the procurement process.