

## **Award of a contract for a technical extension of the Visiodrom Wuppertal by 440 square metres of projection surface for Visiodrom GmbH**

### **Here: Invitation to tender**

*In case of discrepancies between the translations, the original version (German) shall prevail.  
shall prevail..*

Visiodrom GmbH awards the contract for the extension of the projection surface of the Visiodrom in the Gaskessel Wuppertal until 15.03.2022. 440 square metres of floor space are to be integrated into the overall system of the existing 6,100 square metres (on five surfaces) under the conditions set out below.

The entirety of the extension of the projection area is hereinafter referred to as the "floor extension".

You are hereby requested to submit to us a quotation for the floor extension, taking into account the specifications and services described below.

The following main specifications apply to the award of the contract:

#### **I. Background and objectives of the procurement**

Visiodrom GmbH operates the world's first Visiodrom in the Gaskessel Wuppertal, a listed MAN disc gas tank from 1952. In this almost round room, 38 metres in diameter and 47 metres high, changing immersive projection shows are shown on 6,100 square metres of screen, distributed over five different surfaces. Here, the visitor is surrounded by the theme and can immersively immerse himself in it. The roof and all walls are already projection surfaces. With the floor extension, the visitor is then surrounded by the theme in every viewing direction. This type of presentation aims to offer the guest an experience beyond the experience itself. To create an emotional experience of the theme seen.

The project is supported by public funding from the Federal Government Commissioner for Culture and the Media (BKM), the State of North Rhine-Westphalia and the City of Wuppertal.

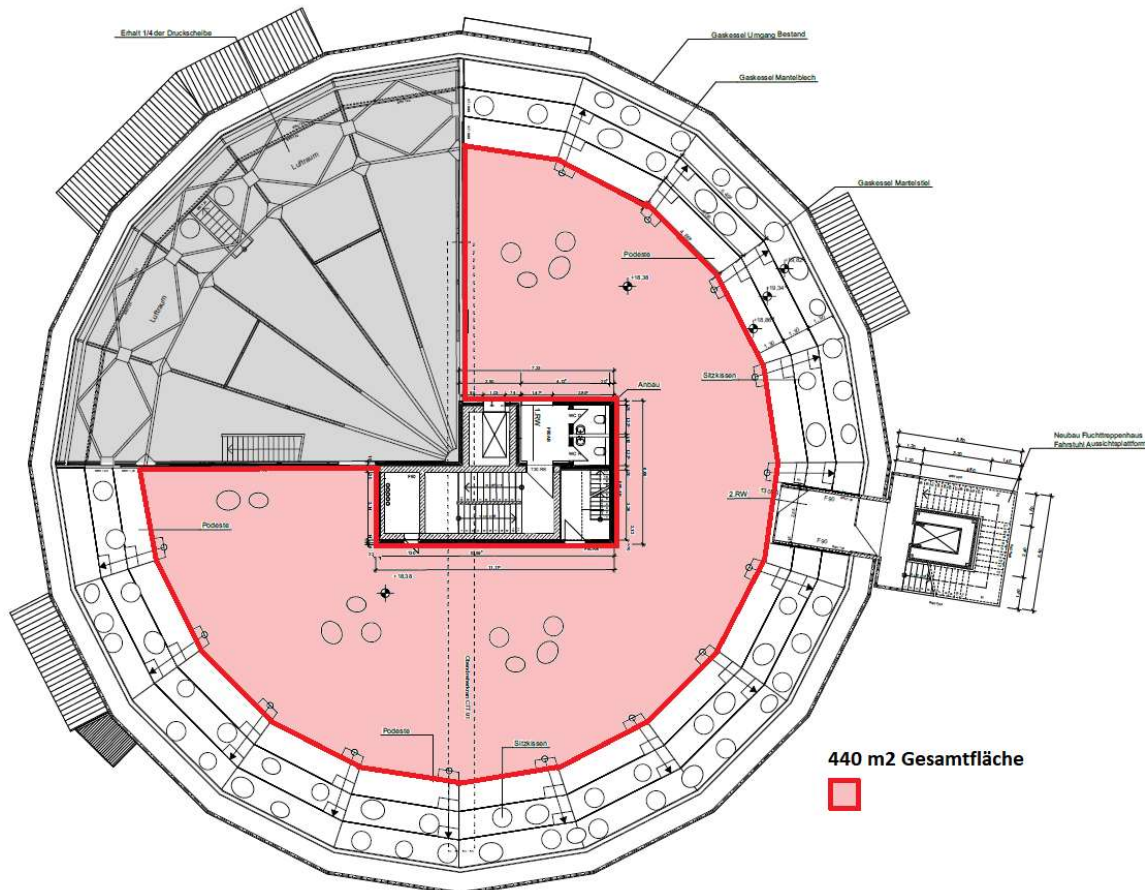
For further information on the Visiodrom, please visit the website [www.visiodrom.de](http://www.visiodrom.de). There you will also find information on the currently running immersive show HUMANS.

Remuneration for the services rendered is paid in accordance with the contractual agreements after proof of achievement of the corresponding performance goals.

## II. Performance specification

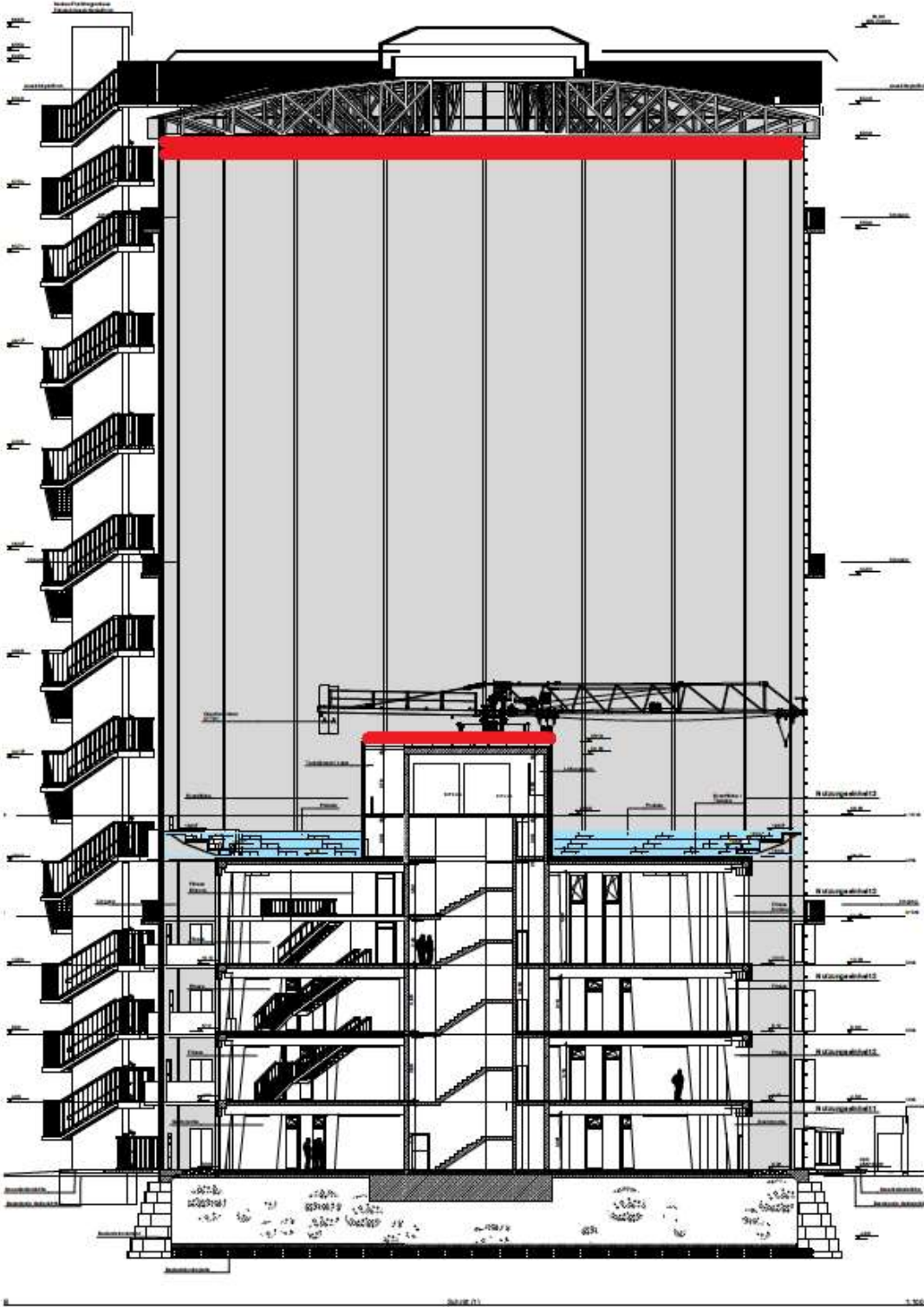
We expect a trusting and goal-oriented cooperation with our internal technical team. The advertised floor extension is essentially subject to the following specifications:

Projection surface:



- The 440 square metres are to be irradiated homogeneously seamlessly with clean finishes.
- The quality of the experience is directly dependent on the quality of the presentation and this has top priority.
- The presentation must fit harmoniously into the existing setup. This applies to all technical parameters as well as the overall impression of the new screen.
- The minimum number of projectors required must be installed in glare-free positions.
- Cabling and connection of all positions to the central server system.

Possible positions Projectors:



Within the Visiodrome, the projectors can be installed at the points marked in red. Requirements: No glare on the circular grandstands (light blue areas). Minimal shadows cast on the surface. The projectors must be easily accessible for maintenance and corrections. The optics of the devices must be aligned with the positions.

Note:

In order to test the spatial effect of various devices or for demonstrations, appointments can be made at short notice. Any costs incurred for test projections including the use of technical components must be agreed in advance. It is a joint case-by-case decision to what extent these can be charged as prime costs if the contract is awarded to another supplier. The costs for this can be invoiced in full when the order is placed.

Technical documentation including block diagrams, component overview of the computers and general technical system data will be provided if there is a serious intention to bid.

Contact: Christian Höher, 0174-9847903, [hoeher@visiodrom.de](mailto:hoeher@visiodrom.de)

### **Technical specifications**

Floor:

Unreinforced concrete floor with cut joints. Colour concrete grey with colourless surface sealant. Can be projected directly, no major adjustments to the image required.

Equipment:

The standard type of projector installed in the Visiodrom is that of the Panasonic PT-RZ120 series with adapted optics. Regardless of the device manufacturer, the projectors for the extension floor should not fall below the technical characteristics (brightness/resolution/chip technology/etc.) of the PT-RZ120. The values contained in the attached PT-RZ120 data sheet are to be understood as minimum requirements.

Units with a higher resolution than WUXGA can be offered as an option. Since the quality of the experience depends directly on the quality of the image, the client is very interested in higher resolutions within the limits of his budget.

The subjective visual impression of a technology sample on the surface counts as a decision criterion.

Further, the contractor(s) is expected to have the following basic skills and/or attributes:

- Several years of experience in the field of projection mapping. Project planning, overall planning, technical construction and equipment are part of the internal core competences.
- Work samples or project documentation can be enclosed with the offer and made available to the client on request.
- We can offer the client all the services required to complete the order on time "from a single source" (in-house team of experts or permanent network).

## Award criteria and tender evaluation

Visiodrom GmbH will award the contract to the most economical bid. This will be determined on the basis of the criteria described below.

The evaluation is carried out for each award or sub-criterion by awarding 1 to 5 evaluation points. The points awarded are then weighted. For this purpose, the evaluation points awarded for a criterion are multiplied by the respective percentage weighting. This results in the weighted score achieved for the respective award criterion or sub-criterion. An addition of all weighted scores results in the total score. The bid that achieves the highest total number of points is awarded the contract.

### 1. Price (weighting: 50%)

The price-based bid evaluation is based on the total gross price offered (bid price).

The lowest gross bid price remaining in the evaluation (price minimum) is used as the reference value and receives the maximum number of points in this category. The percentage deviation from the reference value is then decisive for the evaluation of the gross bid prices of the other bidders. The deduction of points from the maximum score of 5 points is made in the same proportion. This system is implemented by the following formula:

$$\text{[[points]]\_bidder} = \text{[[price]]\_min} / \text{[[price]]\_bidder} \times 5.$$

The evaluation points are awarded with an accuracy of two decimal places.

### 2. Quality (weighting: 50%)

For the evaluation of the quality of the offer, the following sub-criteria are evaluated separately:

- a) Proposed equipment. (20%)
- b) Experience in mounting for projection mapping, indoors or outdoors. The background is the glare-free addition of projectors to an existing system. (20%)
- c) Implementation capability: the contractor has a proven track record of having an established production network or sufficient in-house capacity in all required trades. (20%)
- d) Reference projects in the field of immersive projections and projection mapping. (10%)
- e) The achieved resolution on the floor surface and the image impression from the visitor's perspective. (30%)

The documents submitted with the tender are decisive for the qualitative evaluation of the tender. Additional, resulting experience and qualifications of the bidder in the above-mentioned areas will be evaluated separately as sub-criteria.

The decisive factor for the award of points is that Visiodrom GmbH is interested in the best possible technical solution and a perfectly organised workflow in every respect.

In order to guarantee a consistently high quality for the Monet-Show, Visiodrom GmbH reserves the right to set a minimum score of 2 in for each sub-criterion. A bid that falls short of this value for a criterion may be disregarded when the contract is awarded.

#### **IV. Requirements for the offer**

If you are interested in the assignment described above, please send us your written offer, including the requested draft scripts, to the following address by 23:59 on 15 March 2022 at the latest:

Visiodrom GmbH  
z.Hd. Herrn Dirk Emde  
Friedrich-Ebert-Str. 130  
42117 Wuppertal

Oder elektronisch an

[emde@visiodrom.de](mailto:emde@visiodrom.de)

Bids that are not submitted in due form and/or time cannot be considered in the evaluation. You are welcome to add supplementary documents and work samples to your bid at your own discretion.

If you have any questions regarding this invitation to tender, please contact Christian Höher, Tel.: 0174-9847903; [hoeher@visiodrom.de](mailto:hoeher@visiodrom.de).

Dirk Emde  
Management Visiodrom GmbH

**This invitation to tender includes the three annexes (1 to 3) Technical Specification Equipment, Area Survey and Sketch Positions Projectors.**