

## Open call - Instruments & Sensor Residency Chapter I

### Two Delft based sensor companies host an artist for a residency with a final presentation at Highlight Delft 2024.

Highlight Delft, iii and VPInstruments are looking for artists who like to participate in a residency program at a sensor company. The first open call is hosted by VPInstruments, a company specialized in highly accurate measurement technology for compressed air and gas flow measurement. A second residency at another sensor company will be announced soon. The final results of these residencies will be presented at the Highlight Festival on 15-17 February 2024 in Delft.

The residencies focus on exploring new experimental and artistic possibilities within an environment of highly specialized sensor knowledge and solutions for industrial energy management (IIOT). We expect these collaborations to result in fresh perspectives on this specialized technology through various artistic expressions, including experiments, performances, installations, or objects.

Applications are welcome until the application deadline of 31st of August (end of day, 23:59 or midnight).

Please include in your application; a short motivation, proposed project or (artistic) research, a CV and portfolio (if available).

Projected timeline for the project:

- 31 August | closing of the open call
- September | announcement of selected artists
- October - January | period within which the residency within company can take place
- December | possible sneak preview event
- 15-17 February | presentation of the outcome of the residency at Highlight Delft

For each of the residencies, the selected artist(s) will receive an artistic fee of €1600 and will be provided with a combined budget of €3340 for research, development and production and a travel and accommodation budget of €2310 if required (all amounts excluding VAT).

**Highlight Delft** is an art & technology festival inspiring people to think about, experience and shape their life and living environment with (new) creative applications of technology. The annual event presents future ideas made by creative application of technology. 25 installations, artworks, prototypes and other tangible future ideas made by artists, designers, researchers, tech companies and students are scattered all throughout the city and campus in Delft on indoor- and outdoor locations.

**iii (instrument inventors initiative)** is an artist run, community platform supporting new interdisciplinary practices linking performance, technology and the human senses. Arising from the ArtScience tradition of The Hague, iii strives to balance technological innovation, theoretical reflection and human experience. iii contributes to international developments in the field of Art, Science & Technology, functioning both as a cultural incubator supporting research and creation, and as an agency connecting creators to a broad audience via a wide (inter)national partner network.

**VPInstruments** is a Delft-based sensor company specializing in measuring, monitoring, and managing compressed air and industrial gas installations. Compressed air and industrial gases are among the most expensive utilities in the industry, with potential energy savings of up to 50%. VP Instruments has developed flow meters and measurement software that allow for highly accurate measurement and mapping of air and gas flows. These flow meters have numerous applications



beyond the mentioned industrial processes and can be easily controlled using common micro-electronics platforms.

The other company involved in the residency will be announced as soon as possible.

### **Matching process artists & companies**

Two winning entries are matched with respective companies and their residencies are planned. At the start of the residency a matching process with the artist and company is assisted by representatives of Highlight Delft and iii that have expertise in matching between artistic and technological partners. During the matching process results and progress of the project is shared with, monitored by and supported by these representatives.

### **Criteria**

Applications will be selected and prioritized based on the following criteria:

- Strength of the idea (creativity, originality, expressiveness)
- Match with one of the participating companies in the residency
- Potential of the idea to develop a working prototype or proof of concept within the residency
- Cost and production factors
- Diversity and inclusion
- Relevance of the residency to the artist's professional career

In addition to these criteria, consideration will also be given to alignment with the theme of Highlight Delft 2024 (Perception) and the preferences of our partners (iii and potential sensor companies), however these criteria will be of secondary nature.

### **Application**

To apply, please send an email introducing yourself, your motivation to apply for which residency and a clearly defined project proposal. In the project proposal please describe briefly your artistic concept, the method of realization and the envisioned goal of the residency. Please include links to websites, videos, social media sites etc where we can find clear documentation of relevant previous work. Send your applications to: [art@highlightdelft.nl](mailto:art@highlightdelft.nl) clearly stating OPEN CALL in the subject of the email.

### **About the technology**

[VPInstruments' flow meters](#) are a 4-in-1 sensor technology that can measure flow, pressure, temperature, and total flow simultaneously with very high accuracy. These sensors can be interfaced with common microcontroller technologies such as (but not limited to) Arduino, Teensy or Raspberry Pi.

### **Questions**

Questions regarding this open call and the residency can be sent to [art@highlightdelft.nl](mailto:art@highlightdelft.nl) clearly stating Q&A Sensor Residency VPInstruments.

in collaboration with [Highlight Delft](#), [iii](#) and [VPInstruments](#).

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