

INVITATION TO TENDER

Announced by

Aprendio ApS
Ragnagade 7
2100 København Ø
Tel. 29796361
cae@aprendio.io

Enabling training in VR

1. General information

Title of tender: Enabling training in VR

Tendered by: Aprendio ApS

Address: Ragnagade 7, DK-2100 København Ø

CVR nr.: 42981966

Date: 21. December 2022

Deadline for offers: 15. January 2023

Questions/contact: Mikkel Navarro Hansen, +45 2261 9448, mnh@aprendio.io

2. Company presentation

Aprendio's mission is to provide scalable high quality learning solutions for the green transition. Aprendio helps content creators (training centres/course providers) with tools and services to create, sell and deliver great learning experiences. Check out www.aprendio.io

3. Description of the tender

Extended Reality technologies, including VR/Virtual Reality, proves very efficient in connection to training and upskilling people. Especially in relation to risky jobs and operations.

Aprendio aims to verify the matureness of this technology in order to offer it to applications in the Danish Defence (DD), more specifically the Danish Navy. Two major challenges has been identified, this analysis must examine how these can be overcome.

A) Integration of Aprendio's LMS (Learning Management System) with VR learning experiences

B) Applicability of a VR based learning environment at DD and specifically onboard Navy vessels (technical and functional)

Re. A)

In order to provide learners and their organisations with a coherent and professional experience, systems needs to be integrated, exchange information and provide a simple user flow for each learner. Their organisations needs reporting and transparency to ensure learning goals are met and that learning fits organisational purpose. Aprendio's platform is compliant with the LTI 1.1 and LTI 1.3 standards (LTI, Learning Tools Interoperability standard) as well as xAPI and the platforms open API library. Aprendio therefore needs to an in depth analysis of what is needed in order for a VR meeting and learning platform to comply with these standards, either through the LTI 1.3 standard or API's and how the VR systems can report back to the system, and feed data to the LMS/LXP in the form of xAPI's or similar.

Re. B)

Aprendio sees large potential in collaborative learning tools. Within the last years corporate metaverse platforms has emerged. These platforms enable multiple users to be together in a learning situation online - as avatars inside a virtual setting (e.g. deck of a vessel, with relevant maritime artefacts). Aprendio needs to identify the applicability (test) of these types of learning platforms in DD, including in operational environment e.g. onboard DD's navy vessels.

Aprendio will assist arranging test onboard the Navy's vessels, and will assist in obtaining maritime related scenario models. The provider must perform at least one live test e.g. onboard a vessel on a sat connection. It should also include a live test inside a relevant VR scenario with users related to the maritime domain, like scenery and artefacts. Testing environments should be made available for Aprendio to use afterwards.

Details of Aprendio's SaaS based LMS/LXP system:

- The platform is provided by the German company, I'm-c, <https://www.im-c.com/>
- A catalogue of the open API's can be found here: <https://imc-swaggerui.azurewebsites.net/ils/14150/>

4. The assignments objectives and targets

Re. A) This analysis should include a concrete plan, a roadmap, on how to achieve this two-way interoperability with the Aprendio platform. The roadmap includes a recommended setup for the Aprendio platform in order to interact seamlessly a VR platform (metaverse based platform), including description of what interfaces and configuration that needs to be established.

Re. B) This analysis must include a recommendation on whether an application of VR on a metaverse platform onboard Navy vessels or in the DD would be successful, and how to overcome identified barriers.

5. Budget and specification

We expect that you offer will include - as a minimum the following:

- Date for the offer, and period of validity
- A short presentation of your company, including CVR number and contact information, references etc.
- Your suggestion to how the assignment/task should be solved
- Price for completing the assignment/task
- Rebate given
- Timeline for solving the assignment/task
- Conditions related to the offer

6. Background and requirements related to this tender (in Danish)

Udbyder er underlagt en række krav om god, sund finansforvaltning, herunder dokumentation for at den aftalte pris ved eksterne indkøb er et udtryk for markedsprisen. Dette udbud er et led heri.

Vi understreger at tilbudsgiver alene må give tilbud på den efterspurgte leverance. Ydelser af eksekverende eller implementerende

karakter kan ikke godkendes

Det endelige tilbud vælges af udbydende virksomhed ud fra en vurdering af bedste sammenhæng mellem pris og kvalitet.

Deadline for submission of tenders: 15-01-2023

Amount limit: 75.000,00 DKK excl. VAT

Submit tender