

# INVITATION TO TENDER

## Announced by

GenNarrate ApS  
Kjellerupsgade 24  
9000 Aalborg  
Tel. 20902539  
[contact@gennarrate.com](mailto:contact@gennarrate.com)

## Integration Feasibility Study for software tool (Interactive Entertainment industry)

### Company description

GenNarrate ApS is a Danish tech-startup developing GenNarrator: a research-based AI-driven storytelling engine for the digital entertainment industry.

GenNarrator is a B2B software tool offering a new level of value to game developers, by adding fully interactive story functionality to games in production. GenNarrator is being developed as a tool that plugs into Unity3D and existing development environments.

GenNarrate ApS currently consist of one software developer, one cognitive systems designer and one business developer.

### Purpose of the study

Provide GenNarrate ApS with a comprehensive overview of risks and opportunities when integrating GenNarrator with both Unity3D (our target business software package\*\*) as well as the most widely adopted visual scripting tools for content creation in Unity3D (e.g. Bolt and Playmaker).

### Focus of the study

The study should have two key focus areas: 1) the API between GenNarrator (Event data to GenNarrator Characters and their behavioural responses) and Unity3D (player input and feedback to player), for the purpose of ensuring ease of implementation, stability and performance. 2) identify compatibility aspects of the GenNarrator software architecture, regarding usage in games running on multiple platforms (Mobile, Switch, Xbox, Web, etc).

### Detailed breakdown of tasks to be completed as part of the study

1. Review of design and technical documentation
2. Review of delivered source code and build instructions

3. Mapping and analysis of software architecture and risks/opportunities/hard limits, in regards to:
  - 3.1. API/interface between GenNarrate and Unity 3D game engine
  - 3.2. Platform specific issue/challenges (e.g. DLL structure and compatibility with games made for consoles/mobile/web/html5).
4. Mapping of possible software architecture for improving interface between GenNarrate and Unity 3D (player input and feedback to player, Event data to GenNarrator Characters and their behavioral responses).
5. Mapping of possible software architecture for connecting GenNarrate with existing game engine visual scripting tools for content creating in Unity 3D.
6. Performance analysis of GenNarrate, the Forward Planner module and the API/interface with Unity 3D.
  - 6.1. Feasibility study of amending potential performance issues, e.g.
    - 6.1.1. suggestion of possible performance optimizations for present setup
    - 6.1.2. suggestions on possible rewrite/refactoring/restructuring of code or architecture
7. Design analysis of GenNarrate AI system in regards to game design
  - 7.1. Structural analysis on how the GenNarrate AI-model can create compelling gameplay, in regards to UX, incl. storytelling, progression and player agency.
  - 7.2. Feature analysis on possible feature modifications/additions to the AI model, to improve the above.
8. Summary of points covered with priorities in regards to importance.

#### Budget and offer specification (in Danish)

Vi forventer, at det skriftlige tilbud som minimum indeholder:

- En kort præsentation af tilbudsgiver med angivelse af CVR-nummer og kontaktoplysninger. Evt. også med referencer og historik
- Tilbudsgivers forslag til løsning af opgaven
- Angivelse af pris for løsning af opgaven
- Evt. rabat
- Forventet tidsplan
- Evt. forudsætninger for tilbuddet

#### General information

Title: Integration Feasibility Study for software tool (Interactive Entertainment industry)

Company name: GenNarrate ApS

Address: Kjellerupsgade 24, 9000 Aalborg

CVR nr.: 39639181

Date: 06.10.2022

Offer Deadline: 15.11.2022

Direct questions and offer to: Nikolaj Hyldig, +45 2090 2539, nikolajh@gennarrate.com

---

**Deadline for submission of tenders:** 15-11-2022

**Amount limit:** 75.000,00 DKK excl. VAT

Submit tender



Erhvervshusene



Danmarks  
Erhvervsfremmebestyrelse