



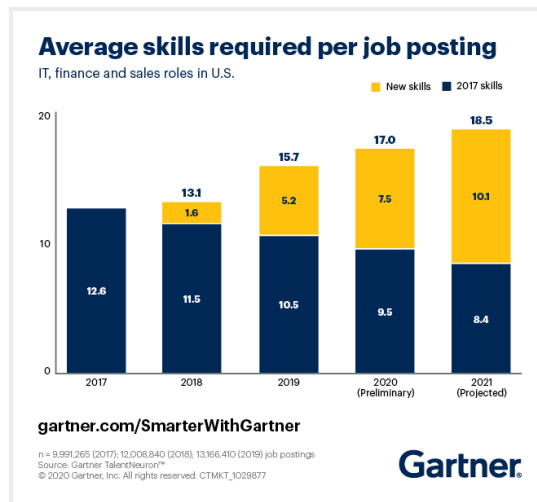
Pitch: AURORA for CL2-Transfo-09

Aurora is an AI-powered virtual training agent designed to personalize and optimize learning processes in companies for people with disabilities at real time.



The Problem:

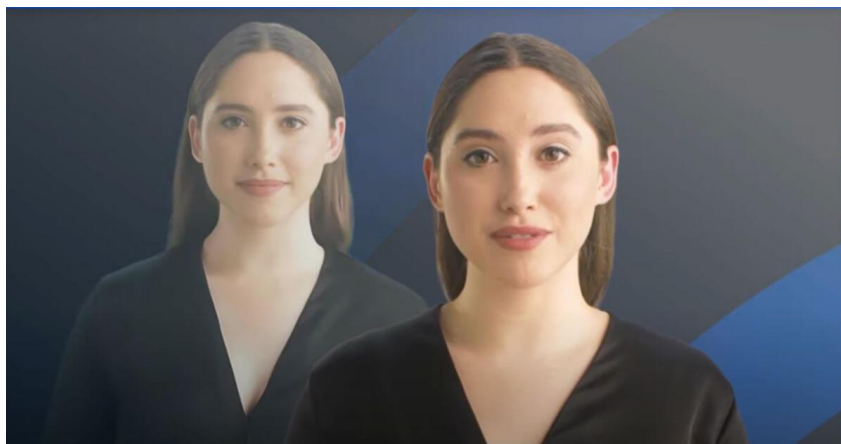
Filling the gap between owned skills (employee) and expected performance (employer) is a traditional challenge. With the acceleration of job complexity in digital and multidisciplinary expectations, the gap is growing further.



More specifically, this gap becomes critical for People with Intellectual Disabilities (PwID). They face significant barriers to employment, including a digital skills and knowledge acquisition, which lead them to low employment retention rates. Workplaces often lack continuous cognitive support, leading to high supervision costs. Additionally, there's a low adoption of essential technologies and difficulty in scaling inclusive solutions within SMEs. There's also a need for better regulatory compliance in accessibility, GDPR, and ethical AI, alongside a lack of reliable metrics to measure the impact of inclusion policies.

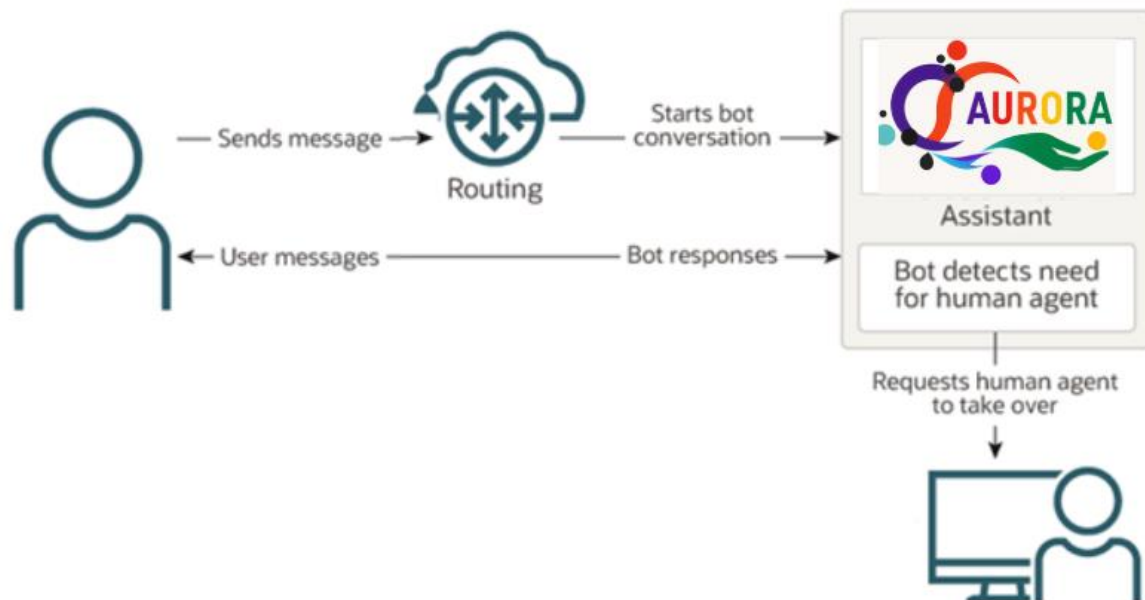
In essence, the digital trench and the limited resources of social entities is hindering the financial sustainability and widespread adoption of inclusive solutions.

The Solution: **Aurora** offers an innovative and comprehensive solution to these challenges. It provides an adaptive life training platform utilizing VR/AR, AI, and gamification to create personalized learning paths and automatically evaluate progress, including digital literacy training for users and support professionals. For on-the-job support, Aurora features a real-time multimodal assistance system with an accessible conversational assistant, and non-intrusive biometrics to adjust pace and guide tasks.



Synthesia: Digital assistant that provides conversation support

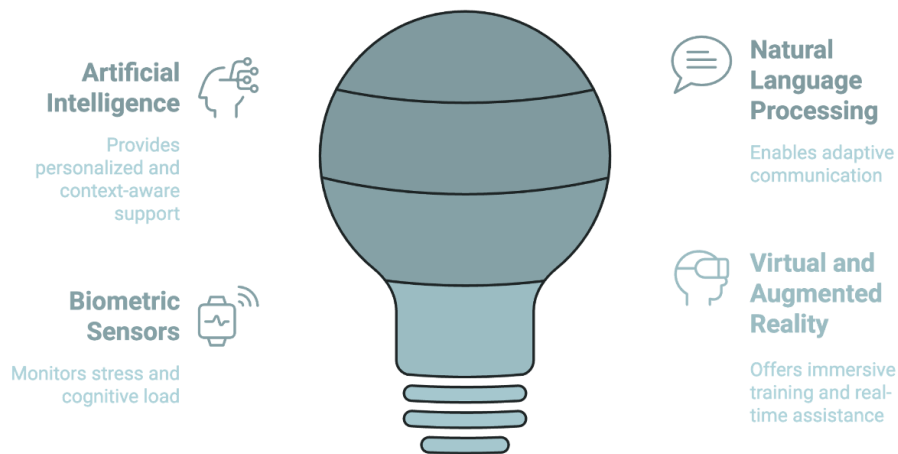
Aurora is a “Live Agent” with assertive capabilities that adapts responses to user, detecting mood and environmental circumstances. In case of need (I.e.: Unusual environment o biometric indicators), human intervention could be required.



Aurora: Live Agent scheme, with human intervention capability.

The platform boasts an open and evolving API architecture, making it easy for SMEs to implement through a low-cost SaaS model. Aurora is built on a responsible AI framework, ensuring data protection, human oversight, and accessible interfaces validated with PwID. To measure impact, the "Cogniview KPI Dashboard" provides crucial metrics on productivity, cognitive load, and autonomy. Finally, Aurora promotes a "train-the-trainer" program and a freemium business model to ensure widespread adoption and sustainability, fostering a cultural shift towards truly inclusive work environments.

Innovative Technologies Overview



Suitability for European CALL CL-2 TRANSF09

Aurora is exceptionally well-suited for the European CALL CL-2 TRANSF09 due to its direct alignment with the expected outcomes:

- **Develop innovative evidence-based policy approaches to promote the autonomy of persons with disabilities of any age and any origin of the disability or impairment:**
 - Aurora's "Cogniview KPI Dashboard" is designed to measure key indicators such as productivity, cognitive load, autonomy, and economic return. This data provides a robust, evidence-based foundation for developing and validating new policy approaches aimed at enhancing the autonomy of PwID in employment settings. The insights generated can directly inform and improve public policies on inclusion.
- **Develop practices that facilitate the full inclusion and participation of persons with disabilities in different areas of life, including education, family life, employment, living arrangements, leisure, arts, culture and sport on equal basis with others:**
 - While primarily focused on employment, Aurora directly facilitates the full inclusion and participation of PwID in the workplace through its adaptive training platform and real-time assistance system. By significantly improving digital literacy and job performance, Aurora empowers PwID to participate in employment on an equal footing. Its "360° awareness program" also works to foster a cultural shift towards more inclusive work environments.
- **Address the seamless use of accessible and assistive technology, including digital technologies and artificial intelligence, in the community and related services and**

infrastructure. If possible, identify specific measures and tools for different addressed areas of lives of persons with disabilities, such as education, recruitment, hiring, return to work, and independent life:

- Aurora's core is the seamless integration of accessible and assistive technologies, including VR/AR, AI (in personalized itineraries, conversational assistants, and biometrics), and gamification. It provides specific measures and tools crucial for various stages of employment:
 - **Education/Training:** The adaptive training platform generates personalized itineraries and a digital literacy plan.
 - **Recruitment/Hiring/Return to Work:** The real-time multimodal assistance system and "train-the-trainer" program provide continuous support for task performance, aiding in successful job integration and sustained employment.
- Its low-cost SaaS model and open API architecture are designed to make these advanced technologies easily deployable within SMEs and the broader community.
- **Identify and compare the usefulness of different options for policies and measures aiming to increase the autonomy and quality of life of persons with disabilities, as well as the quality of life and well-being of their families, using a person-centred approach, taking into account the individual needs of persons with disabilities and ensuring their full enjoyment of human rights and fundamental freedoms on equal basis with others:**
 - Aurora adopts a person-centered approach by creating "personalized itineraries" in its adaptive training platform and adjusting task guidance through its real-time assistance system. This individual tailoring directly contributes to increasing autonomy and quality of life by addressing specific needs. The integrated responsible AI framework, with continuous DPIAs³ and human-in-the-loop control, ensures that the solution upholds the human rights and fundamental freedoms of PwID.
- **Identify relevant actors to achieve effective results (public actors, civil society organizations, private sector, social economy actors, etc.) and explore their roles and interaction, with a view to assessing integration among different social, support and essential services (including e.g. transport or housing) necessary to promote autonomy and inclusion in the community:**
 - Aurora explicitly identifies and collaborates with relevant actors, including public employment services, mainstream companies (private sector), and social entities (civil society organizations). The "train-the-trainer" program engages support professionals, further outlining roles and interactions within the support ecosystem to promote autonomy and inclusion within the community. The project's goal of European scalability naturally involves broader engagement with diverse actors.

Search for partners

Aurora aims to gather a multidisciplinary is exceptionally well-suited for the European CALL CL-2 TRANSF09 due to its direct alignment with the expected outcomes.

This project requires from a robust ecosystem of collaboration, bringing together partners for ensuring a widespread adoption and sustainability on the results, as social, technological and legal aspects.

We expect to partner with a comprehensive range of organizations, encompassing specialists in sociological and psychological integration of persons with disabilities, such as Fundación Espurna, alongside technology experts like HumanTech/LabLeni, and work-providing entities such as Factors. We will also include legal and AI data privacy experts to ensure robust contractual frameworks and stringent data protection coverage.

This broad spectrum of collaboration, extending to public actors, civil society organizations, private sector entities, and social economy actors, will collectively drive innovation, ensure ethical implementation, and promote a truly inclusive work environment across Europe.

Country	Spain	Belgium	France	Germany	Others
Social	Fundación Espurna	https://www.gidts.be/			Municipalities (Sweden)
Technological	HumanTech	https://lichtwerk.io/en/	https://peppermint.company/	https://www.dfki.de/web (pending)	
Workforce	Factorsl.es				https://www.uninova.pt/ (Portugal)
Legal labour	Sabapiens				
Legal AI data protection	Orts Consultores				
Dissemination		https://easpd.eu/			

Sources:

1: <https://docs.oracle.com/en/cloud/paas/digital-assistant/use-chatbot/live-help-approaches.html>

2: <https://www.synthesia.io/post/digital-humans>

3: A DPIA (Data Protection Impact Assessment) is a process designed to help you systematically analyse, identify and minimise the data protection risks of a project or plan.