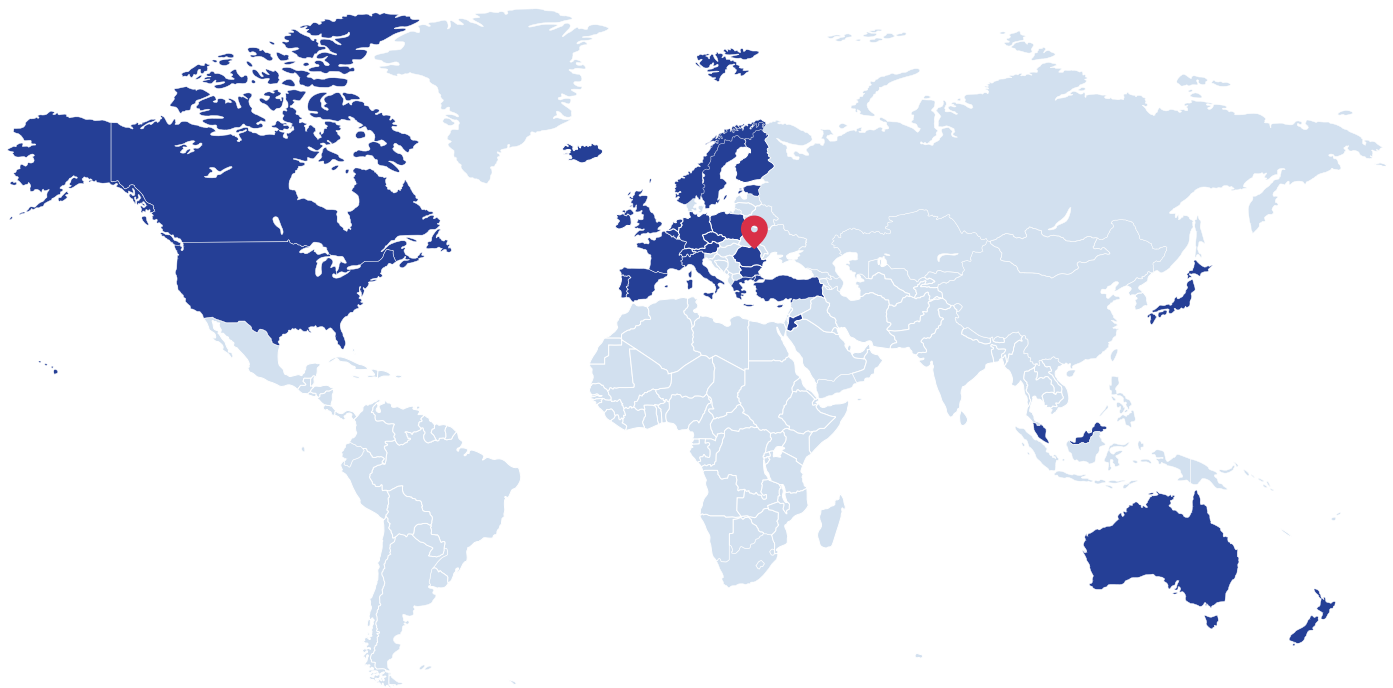


# Technical partner for bespoke software solutions

Elevate your products through innovation.

**ASSIST**  
Innovative Minds





## ASSIST SOFTWARE IN NUMBERS

 Suceava, Romania, Europe

**32+**  
YEARS

**350+**  
EMPLOYEES

**300**  
CLIENTS

**500+**  
PROJECTS

## Software Engineering Services

We are a company of engineers, dedicated to solving real needs in the world.

Our teams will assist you in building your digital ecosystem of applications, whether for mobile, web or desktop.

## Machine Learning & Data Engineering

Leverage the power of AI to create business value in your company.

MLOps, Process automation, data extraction, NLP, Neural Networks, Generative A.I. and much more.



## Digital Product Strategy

Innovation is in our DNA. Our team will help you design your idea, develop it into a viable product and validate it on the market.

Business Analysis, User Research, Product Design, Prototyping, Product Management.

## Cloud & Backend Engineering

Experienced in building complex, scalable, secure cloud & hybrid architectures using Kubernetes, proven to support millions of MAUs.

Our Amazon and Microsoft partnerships certify the quality of the solutions custom-built for you.

# We are



## Reliable:

Employee retention rate of **95%**.



## Trustworthy:

Multiple successful partnerships ongoing after **8+** years.



## Responsible:

Reviews reveal a customer satisfaction score of **98%**.



## Innovative:

Focusing on innovation in **100%** of projects.



## Adaptable:

Successfully managed **22** global partnerships.



## Certified:

The company has **85%** certified software engineers.



# Companies Who Trust Us



Not only did ASSIST and the team exceed our expectations, we quickly...

Holger Cordes, CEO, **Ascom Holding AG**



I was impressed to see the versatility of their team to work on multiple...

Murali Krishnan, VP of Software Engineering, **Starbucks**



ASSIST transformed our vision into an app with talent, reliability, and ...

Laurent Billion, Chief Global Officer at **Limelife by Alcone**



They have invented some amazing things.

John Fanning, Founding Chairman & CEO at **Napster**



# ASSIST Software Expertise



## Product Design

User Research, UI/UX Design, Prototyping

Branding, Design Systems

Business Analysis, Software Specifications, Acceptance Criteria



## Cloud Engineering

DevOps, SecOps, MLOps

Microsoft Azure, AWS, Google Cloud

Azure Functions, Microservices, AAD, Azure B2C, Azure Key Vault

Kubernetes, Docker, Serverless, Jenkins, SonarQube



## Machine Learning

NLP, MLOps, ETL, Generative AI, Text to Speech, OCR, Sentiment Analysis

Supervised Learning, Unsupervised Learning, Neural Networks, Deep Learning

Data Science, Data Warehouses, Big Data, Snowflake

# ASSIST Software Expertise



## Application Engineering

Java, PHP, Scala, **C#**, **.Net**, **.Net Core**, Python, JavaScript, C++, Swift, Kotlin

**React**, Angular, PWA, Flutter, **Android**, **iOS**, **Electron**

**Mobile**, **Web**, Desktop, Front-end, Back-end, 3D Applications



## Quality Management

Test strategy, Acceptance criteria, **Automation Testing**

Cypress, Selenium, Cucumber, Jenkins

TestRail, Jira, SonarQube

Unit Testing, **Security Testing**, Load Testing



## Gaming, 3D & VR

**Game Development**, 3D Simulations, Gamification, Educational Games

**VR/AR**, **Oculus**, HTC Vive, **HoloLens**, ZBrush, Substance Painter, Motion Builder

Unreal Engine, Unity3D Engine, VBS3 Engine, Interactive Devices

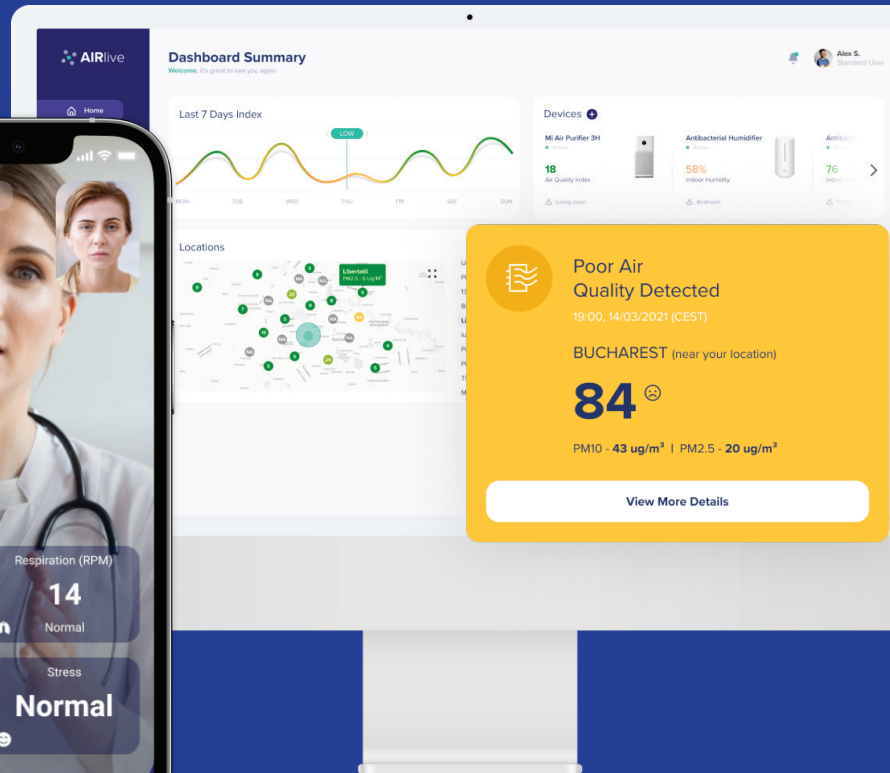
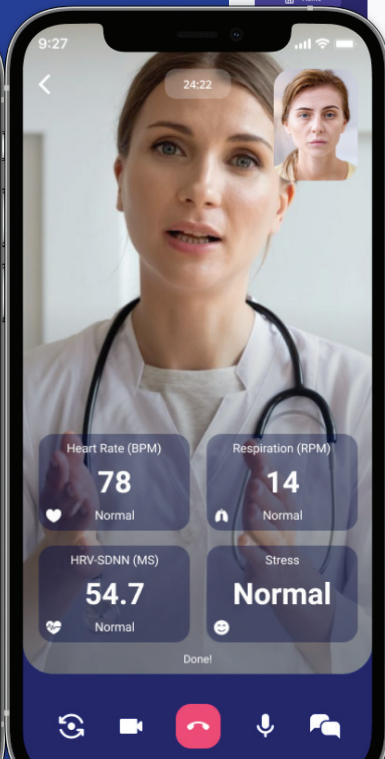
# Digital Product Strategy & Design Services

ASSIST Software provides comprehensive services to increase business value, starting from ideation and product strategy, to prototyping, user testing, and final product development.

Give your product idea form by planning and assessing key features to achieve your business objectives and avoid errors.



# User Centric



# ASSIST Cloud Experience

## AWS, Azure, Google Cloud

We have extensive experience in using the AWS and Azure ecosystems including IoT platforms. We have designed and built multiple applications using these infrastructures and a large variety of services.

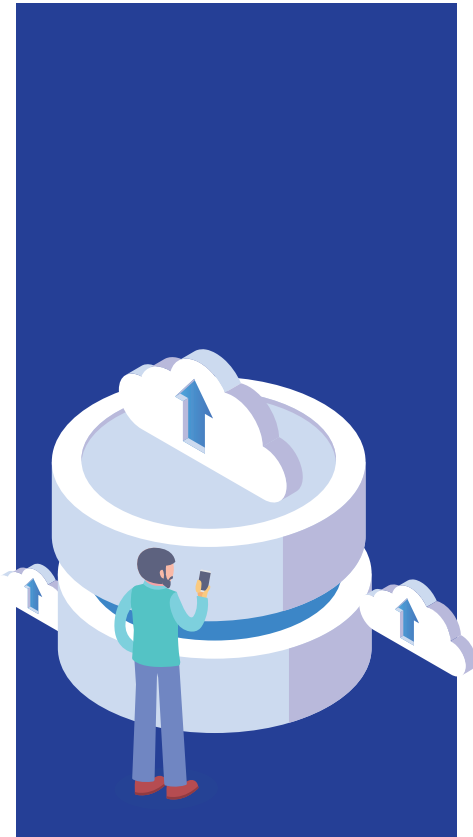
## Microservices (Cloud & on-Premise)

We have experience in architecting, building and managing complex applications with up to **45 microservices** deployed using **Kubernetes**. We have led the refactoring effort for **splitting large monolith applications** into separate microservices, over multiple years.

## Scalability

We employ best practices when it comes to scalability. We optimize resource consumption and we have good experience in working with large databases and datasets. We perform stress tests and we scan for bottlenecks.





# ASSIST

## AI/ML Experience

### Data Engineering and Machine Learning Operations (MLOps)

We have extensive experience in working with **ETL pipelines** in the cloud using **AWS Glue**, Apache Airflow, Snowflake, **Redshift**, Athena, Amazon Neptune etc.

### Neural Networks, Computer Vision, AI Models

We have experience in training Deep Learning Models using **PyTorch** and **TensorFlow**, **IBM Watson** and deploying them in production for a variety of use-cases.

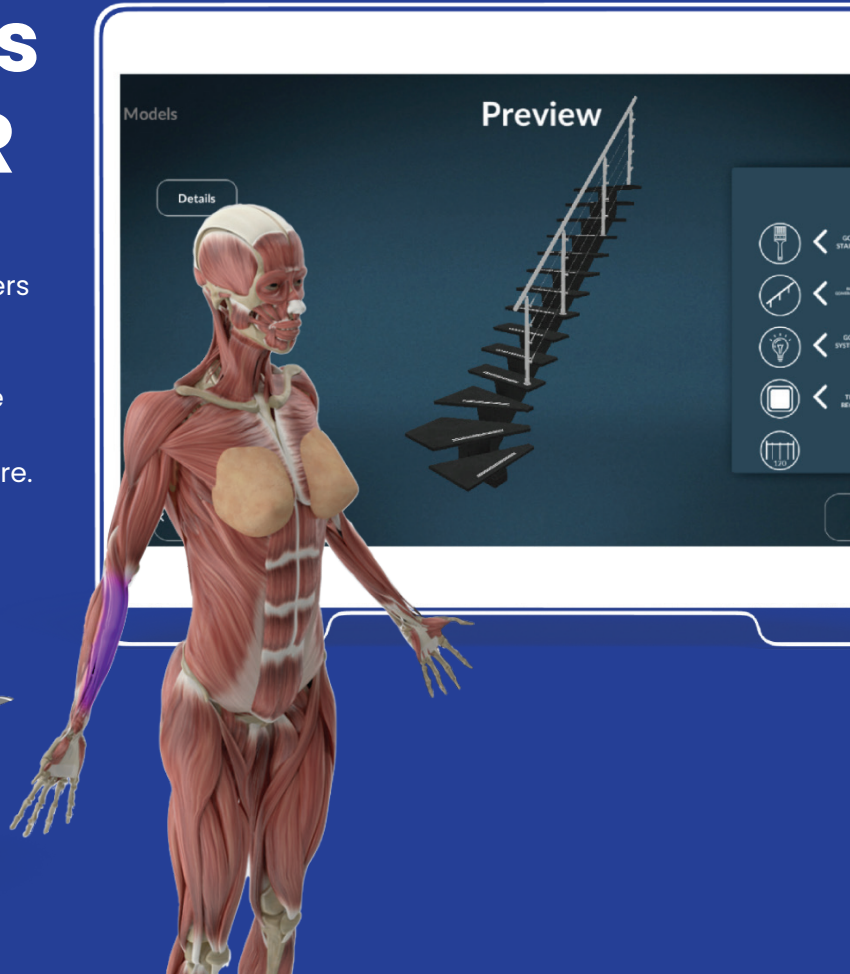
### Natural Language Processing and Audio/Video processing

Long-term experience in NLP and sentiment analysis. Currently leading a **European security project** with **~15 partners** in **detecting radicalization** on social media and dark web.

# 3D Simulations Games, AR, VR

Unleash the power of next-generation simulations. Our team of passionate developers crafts groundbreaking 3D simulations, AR experiences, and VR adventures that push the boundaries of immersion. We don't just create simulations - we build interactive worlds that captivate and keep users coming back for more.

From concept to launch, we're your one-stop shop for bringing your immersive vision to life.





# Research & Development

We know R&D is crucial for businesses to stay competitive and thrive in dynamic markets. Successful R&D efforts lead to the development of exceptional products or services, improved efficiency and effectiveness in operations, and enhanced market positioning.

We've developed R&D projects in Machine Learning, AI Systems, Blockchain, Web 3.0, Metaverse



# EU Research Projects

We have established long-term partnerships with 160+ European research companies, universities and research centers (i.e. Fraunhofer, TWI, University of Heidelberg, REWE Group, SINTEF, etc.) and have participated as a technical partner in over 25 EU-funded projects.



## CounterR



Industry **Security**

EU-Funding **H2020**

ASSIST Software is the lead technical partner and project coordinator for the CounterR solution which aims to employ a combination of dynamic and static data sources to provide an X-Ray of potential radicalization and terrorism hubs.



## BladeSave



Industry **Energy**

EU-Funding **H2020**

ASSIST Software is involved in the development of the communication system and the pre-processing of data to perform system trials, the software fine-tuning and system demonstrations.



## Autisma



Industry **Education**

EU-Funding **H2020**

Autisma Therapy Assistant was created through the CENTRIC project, which stands for Center for knowledge transfer to enterprises in the ICT field. The platform developed is dedicated to developing the autonomy of children affected by autism spectrum disorders (ASD).



## EveryFish



Industry **Fishing**

EU-Funding **Horizon Europe**

EveryFish develops, tests, and promotes a suite of innovative technological solutions for fully automated catch recording. It is a solution designed to monitor the capture of fish and prevent overfishing, with the use of modern AI and computer vision algorithms.

# Innovative Products

The ASSIST Software portfolio is vast, encompassing everything from Unity assets to maritime software. By working across such diverse industries, we've gained a deep understanding of different needs. This translates to a significant benefit for our clients – we can tailor our services to perfectly match your unique requirements. See examples of projects that highlight our abilities and expand our knowledge.



## Metris

metris.ai

Industry **Human Resources**

Metris is an R&D project developed under the Innovation Program in ASSIST in collaboration with the AI Department. An AI Conversational Engine for Business Intelligence, based on large language models, deployed locally, on-premise and trained and integrated with your data.



## MONA

Industry **Energy**

MONA is a conversational agent built using AI and LLM technology and designed to serve employees in navigating the large company knowledge base. MonA has integration with Microsoft Teams and it can discover and learn procedures while also locating relevant resources.



## PARS

PARS  
aid & support

Industry **Security**

PARS research project envisages a solution to assist public authorities in critical situations that call for quick response times, as well as optimal resource coordination. This command center and the autonomous swarm of drones help in carrying out a wide range of missions, such as reconnaissance, alert and tracking.



## Seaplify

SEAPLIFY

Industry **Maritime**

Seaplify introduces the future of maritime professionals' interactions. Seaplify offers maritime industry professionals the means to foster greater connectivity, equality, and prosperity through various tools, resources, and opportunities.

## ASSIST AI Center

With a strong focus on technological trends and a desire for pioneering, we have invested in artificial intelligence and machine learning development, and this includes continuously providing learning resources, workshops and projects aimed at helping software engineers to develop their skills in agreement with the needs of the industry.

Our AI Center is a place where creativity meets technology. This innovation hub provides us with the perfect place to iterate, train and accelerate projects that will put our clients above their competitors. We can tend to your digital transformation through AI/ML services, research and composability.



# ASSIST Academy



ASSIST Academy organizes a multitude of tech and training events. The most representative competition is **Best Innovative Minds**, over several months, teams of **employees** and **students** join forces build **innovative prototypes** and pitch creative ideas to a jury of **university professors** and **industry specialists**.



Another flagship event for ASSISTS Academy is the **Tech Challenge** competition. Students form teams and live the full experience of building a **full-stack application** over 30 days. Participants get a glimpse of what it is like to deliver a project in the **software industry** with all the joys and challenges along the way.





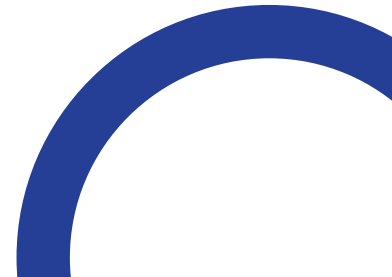
# ASSIST Foundation

Humanitarian Fundation  
**ASSIST**



- **15.300 euros** donated to a Pediatric Ward
- **18.000 visitors** at classical music events
- **3 fire detachments** helped with equipment
- **3.050 euros** for art restoration

- 10 local schools equipped with **robotics labs**
- We initiate programs to **help children with autism**
- We cash offer prizes to **remarkable teachers**
- **100+ prizes** to exceptional pupils



# Supporting Equity & Women in Tech

At ASSIST Software we are committed to creating a more inclusive environment. Whether we support events like TEDxAreni Women and foster a culture where women can thrive or encourage girls' interest in STEM from a young age with the help of The ASSIST Humanitarian Foundation, we stand by our values.

According to a 2020 Eurostat report, women make up 27.2% of the workforce in the Romanian IT&C sector. This is slightly higher than the EU average of 26.6% we stand at 24% and we hope to raise the number in 2024. ASSIST Software is committed to promoting a work environment where equity is normal.





**1**<sup>st</sup> Place

**Romania Top Profit 2023**

Top for Romania, field 7219: Research and development in other natural sciences and engineering.



**2**<sup>nd</sup> Place

**Top National Companies 2023**

In Research, Development and High Tech

**ASSIST**  
Innovative Minds

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🌐 [assist-software.net](http://assist-software.net)

