

G3D

CONSORTIUM PARTNER

Hardware prototyping, additive manufacturing and human-centred pilot capacity for Horizon Europe Cluster 4 consortia

We help coordinators turn research concepts into functional prototypes, learning pilots and real-user feedback loops - fast, practical, and consortium-friendly.



Additive hardware lab

3D printers, materials, rapid iterations



Human/AI workforce pilot SME

Training, adoption, co-creation, SMEs



Academic-to-industry bridge

Universities, research, venture networks

Where G3D fits in the call landscape

Horizon Europe Cluster 4 | Human-Centred Innovation

G3D consortium partner pitch

We offer execution capacity around human-centred digital and hardware innovation - without competing with the coordinator's project idea.

HUMAN-01

Advanced and innovative hardware components for Virtual Worlds

Rapid physical prototypes, enclosures, fixtures, user-testable components and small-batch iterations.

HUMAN-02

Virtual Worlds and Web 4.0 ecosystem

3D assets, physical-digital demonstrators, learning pilots and stakeholder engagement.

DIGITAL-EMERGING-52

Human/AI collaboration for the workforce of the future

SME testbed for AI-assisted design, additive manufacturing workflows, upskilling and adoption pilots.

MAT-PROD-42

Academic intellectual assets for industry and SMEs

Practical bridge from university research to manufacturable prototypes, validation and SME uptake.

Use us as the hands-on pilot and prototyping engine inside your consortium



Low-friction partner role: prototypes + pilots + training + dissemination evidence

Expertise offered

Practical capabilities that strengthen research consortia and make outcomes demonstrable.

Horizon Europe Cluster 4 | Human-Centred Innovation

G3D consortium partner pitch

01

Rapid prototyping

CAD-to-part iteration, functional 3D printed components, fixtures, housings, ergonomic models and demonstrators.

02

Additive manufacturing testbed

Multiple printer categories, material experimentation, quality feedback and small-batch production for pilots.

03

Human-centred adoption

Workshops, user testing, upskilling and feedback loops with students, SMEs, makers, educators and end-users.

04

Digital + AI workflows

AI-assisted design support, inventory/process data logic, digital fabrication workflows and documentation.

05

Dissemination and training

Hands-on courses, demo sessions, bilingual outreach in English and Georgian, practical training materials.

06

SME market reality check

Fast validation of whether research outputs are usable, teachable, manufacturable and economically realistic.

Message to coordinators: bring the research challenge - G3D brings the prototypes, pilots and user engagement capacity.

Resources we can plug into a consortium

A flexible SME testbed for turning concepts into visible, usable and measurable outputs.

3D printers

Starter, advanced and industrial printer capacity for prototyping and validation

Materials & glue

Printing adhesive know-how, material trials and filament development interest

Workshop delivery

Hands-on courses, demo days, training manuals and bilingual sessions

G3D TESTBED

SME pilots

Real-world feedback from a young manufacturing company and local innovation network

Documentation

Build instructions, process evidence, photos/videos, pilot reporting support

Network access

University, venture studio, research and industry connections in Georgia

Track record, partners and ecosystem

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G3D consortium partner pitch

Credibility through research-oriented work, academic access and venture-building connections.

We have experience working with renowned research and innovation organisations in Georgia, including the Shota Rustaveli National Science Foundation of Georgia.



**Shota Rustaveli
National Science
Foundation**

Research-oriented work and
grant/research ecosystem
relevance

Research credibility



**New Vision
University**

Academic network,
education, students,
research links and pilot
community

Academic access



**re:invent
Venture Studio**

Venture building, strategic
business support and
investor-facing discipline

Commercialisation support



**New Vision
Holding ecosystem**

Cross-sector connections in
education, health, insurance
and wider industry

Institutional network

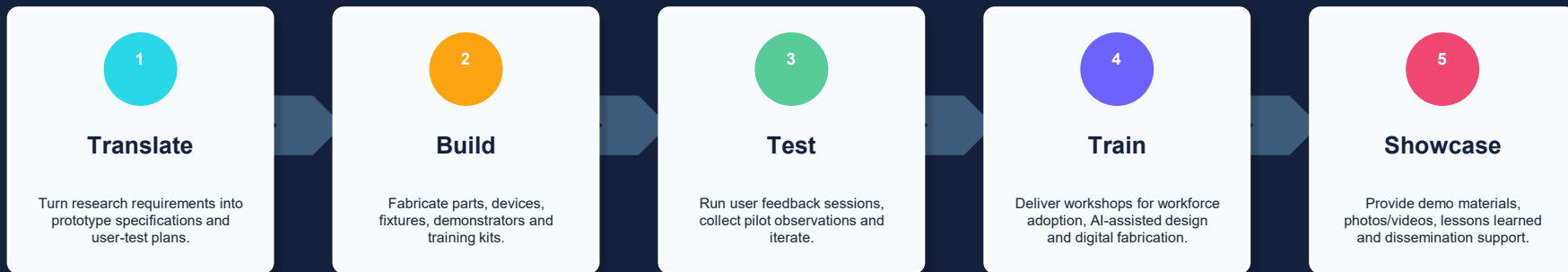
Why this matters in a consortium: G3D can mobilise users, learners, researchers and industry stakeholders around tangible prototypes and pilot evidence.

How G3D can contribute inside your project

Horizon Europe Cluster 4 | Human-Centred Innovation

G3D consortium partner pitch

A clean partner role that supports the coordinator instead of distracting from the main project idea.



Positioning: G3D is ready to join as SME partner for prototyping, pilot execution, training, dissemination and exploitation support.

We adapt to the consortium concept, work package structure and coordinator needs.

Partners sought and contact

Horizon Europe Cluster 4 | Human-Centred Innovation

G3D consortium partner pitch

Let us make your consortium more practical, demonstrable and human-centred.

We are looking for consortia that need:

- Coordinators with strong Horizon Europe concepts who need an agile SME pilot partner
- Universities and RTOs seeking hands-on prototyping and technology transfer support
- AI, XR, Web 4.0 and digital manufacturing teams needing physical demonstrators
- Industry partners who want practical upskilling, adoption and user feedback pilots

G3D contact

Nata Sulakvelidze & Anri Kuparadze

G3D - 3D printing, prototyping and additive manufacturing
SME

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Open to join consortia as: prototyping partner | pilot site |
SME validation partner | training and dissemination
contributor

Available for 1:1 consortium discussions

G3D helps turn strong research into something people can touch, test, learn from and trust.