Digital Solutions for Circular Economy and Transforming Industry

Horizon 2020 for Circular Economy and Transforming Industry

9 October 2019 | Warsaw, Poland
Digital Solutions in Research & Innovation Projects / Development of software and application management

- Nuromedia GmbH and Nurogames GmbH are 2 sister companies (SMEs) based in Cologne

- We work in in ICT projects, gaming and software development with more than 20 years of expertise in European and national R&D projects, reflecting the strategic pillar of the commercial projects for clients of different sectors and the development of own commercial projects
More than 20 years of expertise in digital solutions and in EU-funded research, development and innovation projects

EU framework programs FP 5, FP 6, FP 7, H2020

Ministry of Innovation, Science and Research of the German State of North Rhine-Westphalia
Examples of our Clients & Partners
18 actual research & innovation projects – from Digital Health, 5G or Digital Twins to Energy, Smart Cities and Circular Economy
What We Do

Core Expertise

Software Development
- Software Engineering
- Requirements Analysis
- Software Architecture,
- System Design
- Client & Server Development for VR/AR,
  Mobile, Web/Browser, PC & Console

UI/UX, 2D & 3D Design & Animation
- Application Design, Game Design
- GUI Design, User Experience / Interface Design
- Character Design,
  2D / 3D Graphics, Modelling, Animation,
  Motion Capturing

Business Development
- Business Planning & Modelling
- Impact Management
- Dissemination & Public Relations
- Exploitation,

Research & Innovation Topics & Interests

Digital Twin for Smart Factories, Buildings, Cities, Construction, Farming, Mobility, Energy
- Construction Industry, IoT / Internet of Things / Smart Cyber-Physical Systems, Real-Time Data, BIM
- Industry 4.0, Factories of the Future, Digital Automation, Energy Efficiency

Digital Health Technologies, Personalised Medicine, Health Care & Lifestyle
- Health Applications, Games, ICT, Big Data, Analytics
- ICT Solutions for Active Ageing & Self-Management of Health

ICT, Software Technologies, Software Engineering, Future Internet & 5G
- Software Design, Development & Testing, Programming & Modelling Methods
- Automated Deployment, Dynamic Configuration, Performance Monitoring
- Context-aware & Self-adaptive Software, FIWARE & Smart Applications

Big Data, Cloud Computing, Cloud Technologies, Advanced
- Privacy-Preserving Big Data Technologies, Scalable Architectures
- Visualisation & Administration Tools, Tracking, Monitoring, Analytics, Reporting

Artificial Intelligence & Machine Learning
- Deep Learning, Machine Learning, Predictive Modelling, Analytics & Maintenance
- AI for Manufacturing, Health, Big Data

Avatar Technologies, Multi-Modal Interfaces & Interactive Technologies
- Verbal & Non-Verbal Communication Technologies, Chat Bots, Language Processing
- Sign Language Processing, Gesture Recognition & Generation

VR / AR / MR, User Interfaces, UI / UX Design & Development
- Virtual, Augmented & Mixed Reality Applications, VR/AR Games
- Virtual Meeting Rooms, Online Collaboration,

Digital Education, Learning & Teaching Technologies
- Game-Based Learning, Learning Analytics, Technology Enhanced Learning
- Interactive Learning Applications in VR/AR Environments

Digital Gaming & Gamification Technologies
- Serious & Applied Games, Gamification Solutions, Gaming Analytics
- Mobile, Web/Browser, PC, Console, VR/AR & Online Games

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Nuromedia & Nurogames
in the field of
Circular Economies &
Transforming Industries
PTwist is an open platform for plastic lifecycle awareness, monetization and sustainable innovation

PTwist will define an ecosystem around its innovative platform by utilizing ICT technologies to incentivize, educate, engage and sustain communities and innovators under a novel circular plastics economy paradigm.

Partnership scheme: 9 partner, 7 countries
Expertise in ICT, social good, communities, makers, inventors & innovators
DigitalTwin build vertical digital twins for the optimization in the design implementation and maintenance phase, as well as and (predictive) analysis

Digital Twin for Smart Cities

Cityware is a digital twin of your city to monitor the infrastructure on real-time, simulate the real situation in the virtual world. Completely under GDPR regulation with no video streaming

Digital Twin of Tunnel Construction

Tunnelware is a VaaS (Virtuality as a Service) for tunnel construction industry to manage the construction process while managing the data generated by various sensors and human interaction.
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- Need our expertise and long term experience?
- Want to brainstorm a project idea?
- Working on a proposal and need a German SME with our expertise to join your consortium?

Contact us!

Find more info in our brochure:
www.nurogames.com/research/
Overview

Applications, Systems & Solutions
• Web-Development & Online Platforms
• User Interface Applications
  • VR & AR Applications in Unity
• Digital Twin Systems
  • IoT Platforms
  • Smart City Solutions
• Smart Home Solutions
• ...

Potential Partners
• Research Institutes
• Universities
• Industry

Sectors
• Health
• Education
• Manufacturing
Thank you for your attention!

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- UI/UX 2D & 3D Design & Animation
- Business Development, Impact Management, Exploitation
Core Expertise & Interests

Research & Innovation Competences & Interests

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• ICT, Software Technologies, Software Engineering, Future Internet & 5G
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