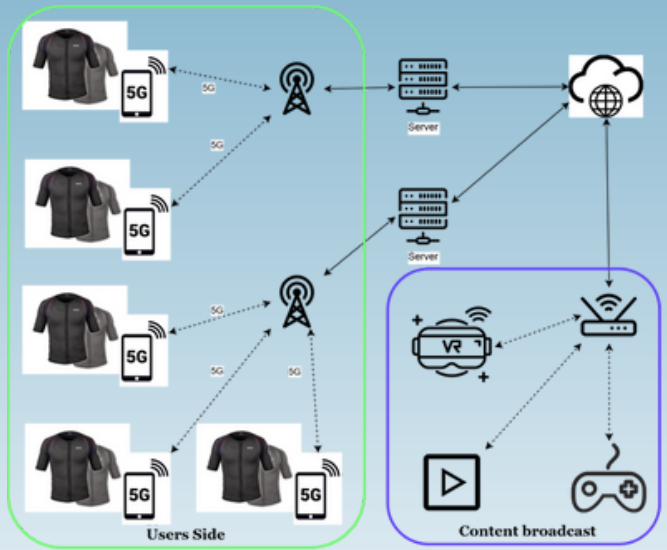
Use Case 1: Internet of Senses / Haptic sensing

Through high-speed capabilities and low latency features of 5G, a nearly instantaneous sensory experience for users through the OWO haptic suit, allowing for a true sense of presence and realism.

Media



The media content integrates the API, allowing it to communicate to the Network Application to link with the OWOSkin through 5G and send sensations to one or many users at once.

THE LARGE SCALE TRIAL

21 March 2025 | University of Malaga | Students

The large-scale trial involved students from the University of Malaga. Students were divided in groups of different sizes and asked to wear the OWO vest. Each group would connect to the same game session with one person appointed to actively play in the game. Everytime something happened in the game (e.g. recoil of the weapon, attack from an enemy, or healing) the assigned student would feel what the character was feeling. Two modes were activated: i) single shots recoil, ii) automatic weapon to test the bandwidth

THE TRIAL OBJECTIVE(S)

a. Network Application connection capacity
b. Latency from sensation generation to stimuli perception

fidal field trials beyond 5G
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Key Value Indicators (KVIs) in Use Case 1

ENERGY EFFICIENCY

Reduced energy use in use case configuration and impact

INCLUSIVITY

Use-cases reflect diversity of local communities they should benefit

TRUSTWORTHY

- Create dependability of service for potential user
- Able to perform the session successfully, no matter their location

CULTURAL CONNECTION

Building and maintaining a sense of community

WASTE MANAGEMENT

Increases lifespan of products and services

DIGITAL INCLUSIVITY

Improve ability of all to participate in and benefit from a service.

FLEXIBILITY

Optimal Resouce Allocation

SECURITY

Privacy preserving in ways that support confidentiality of the person (communication, movements, interactions, etc.) as needed for users

BUSINESS VALUE

Designing technology in a way that can support building new market possibilities and opportunities

UC1 Partners

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