



The backpack materials used are elastic fabric and outer lining of Kevlar-49 tiles.

It's a waterproof, bulletproof and dustproof backpack.

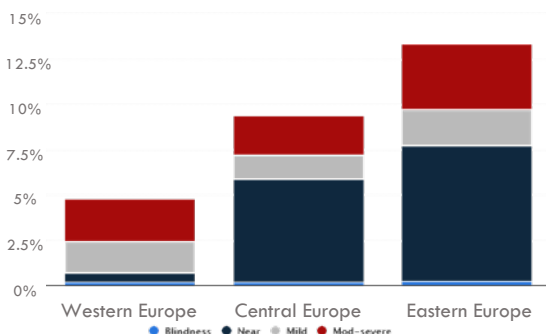
WE CREATED...

... This project is to improve the lives of people with lack of vision or hearing and carefree characters who are constantly connected to the internet through 5G. It is also a backpack that can respond to extreme sports that other backpack can not. It is also distinguished for its durability under adverse conditions.

INDUSTRY

In 2020, Eastern Europe had the highest prevalence of vision impairments in Europe when broken down by region.

There was approximately 7.5 percent individuals affected with near vision impairment in Eastern Europe in that year, compared to 5.7 percent in Central Europe and 1.7 percent in Western Europe.

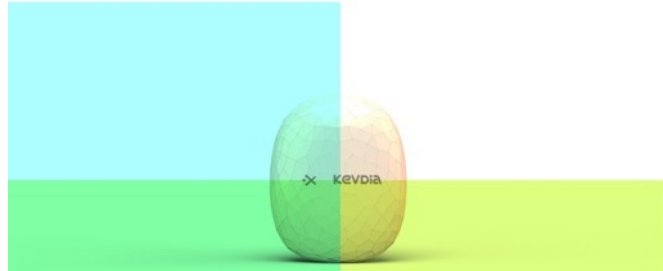


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The backpack KEVDIA can be used as a guide for people with lack of vision. To achieve this, it uses 2 sensors that recognize the height and width of the objects and 4 vibrators that alert the user.

Objects with a height until 1,20m will be triggered 1 bottom vibrator, for larger height will be triggered bottom and top vibrators.

The design of the files parts in combination with the rubber lining aid in transferring the vibration from the four edges of the backpack to the center.

Key benefits:

- Personal assistance
- Safety enhancing
- Durable materials
- Hi-tech
- All-weather product

As a design and innovation agency, we did the followings:

- market research and competition
- brainstorm for the smart backpack
- 5 concepts
- 2 backpack designs
- Semi - prototype
- CMF

WE AT ORANGE-CIRCLE

...Our team designed an award winning backpack with unusual design and futuristic style. The used materials are ideal for extreme situations and for users with disabilities.

Combining the 5G technology with the durable materials, we reach out the highest level of a backpack for each user with disabilities and love for extreme sports.



CREATIVE

Creativity and innovation go hand in hand to provide:

- user and market research
- product innovation and design
- UX and technology
- ideation workshop
- design execution

BUSINESS

With innovation as our guide we offer the following:

- local market research
- product strategy
- technology research
- employee workshop
- project execution

LET' S TALK!

We are an award winning innovation consultancy that creates solutions powered by creativity and business acumen.

Whether you're a multinational company, small business, or start-up, we can bring your projects to life.

INNOVATION SERVICES

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The founders combined management consulting and design to create ORANGE-CIRCLE. We believe that innovation and creativity (ORANGE) should have no boundaries or borders. Therefore, we bring the best to our clients from our global network (CIRCLE)