



Fondazione  
Cottino

## GlassUp for Sight-Impaired

### DESCRIPTION:

The objective of the project is to develop a unique low vision aid with a light-weighted eyeglass form-factor for the compensation of vision impairments at a high and very high level.

### ABSTRACT:

The objective of the project is to develop a unique, radically innovative, low vision aid with a light-weight eyeglass form-factor for the compensation of severe vision impairments originating from spherical ametropia. With a customizable correction power up to 50D, the device is the only one able to overcome the correction constraints imposed by manufacturing, being a solution for thousands of visually impaired in the world. Ophthalmic ad-hoc customization is here in general radically improved, as several regulations not yet available with traditional aids, but still fundamental for the visually impaired life quality and autonomy, are enabled. Disruptive and up-to-date technologies are foreseen for the design, with "smart" or highly "engineered" - materials involved, while optics will be based on state-of-the-art refractive, diffractive or holographic technologies. Rigorous clinical and UX tests and will closely support the development and the certification process.