Contact Lenses for the Future:
CorneAR

By Peter Licopantis and Joseph Lopresti

INTRODUCTION

What is CorneAR?

CorneAR is...

INFORMATION

CorneAR is aware of your surroundings via GPS and can give real time information on subjects

YOUR NEW EYES

Between zooming in vision and adjusting contact power, CorneAR will become essential in your everyday life

COST EFFECTIVE

Cheaper than competing brands

OBJECTIVES

01

RESEARCH

Understand what it will take to make said lens

02

CREATION

Create prototype lens and test

03

PRODUCE

Find a way to mass produce lenses in a cost effective way

04

DISTRIBUTION

Advertise and put out lenses to pharmacies, supermarkets, etc.

CONSTRAINTS

SIZE	Chips must be retained in lenses
DATA ACQUISITION	Real time data in the lenses must be obtained from the Internet, meaning the lenses must be able to connect
POWER	Maintaining a day's worth or week's worth of power within the lenses (or longer)

METHODOLOGY

How will this work?

TWO MAJOR DESIGNS

DISPOSABLE PAIRS

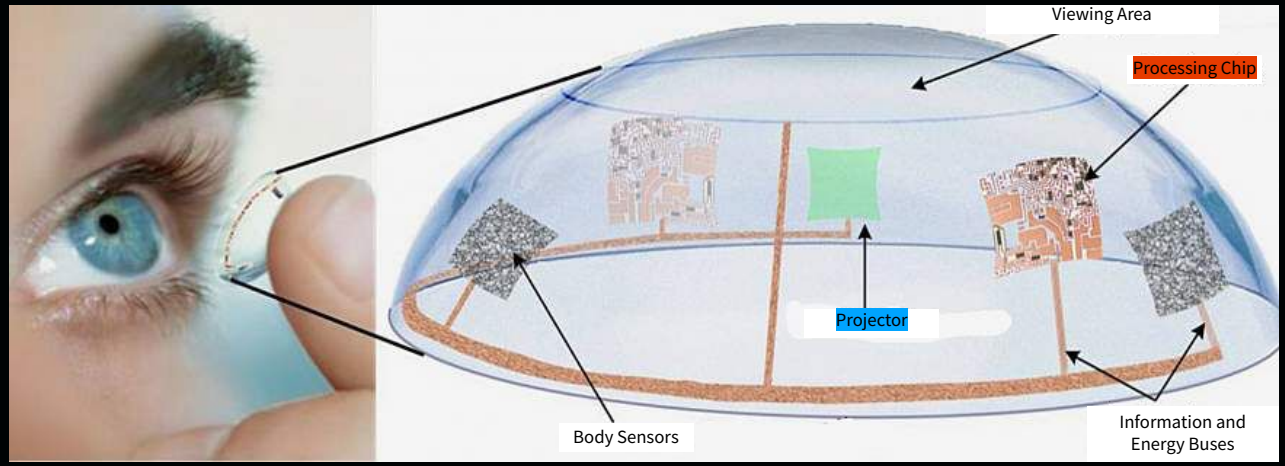
Make each pair disposable and mostly stress free

ONE PAIR

Make each pair one set that will last for a while, but can pack more

Could make both in future

POSSIBLE APPROACH



01

PROJECTOR

Creates images on viewing area which creates the AR

02

CHIPS

Two chips for improved animations and speed

NON-TECHNICAL ASPECTS

- Trying our best to make them as affordable as possible so all can access
- Our facilities are 100% solar-panel powered
- Collaborating with Seva and donating proceeds there to aid their efforts
- FDA approved

ADMINISTRATION

How will we make this happen?

Major Tasks

01

Funding

Securing and mapping out available funds for the project.

02

Software Dev Team

Forming a ten person team to develop the technology.

03

Advertisements

Increasing awareness of the product through social media.

04

Implementation

Connecting with intermediaries in order for customers to obtain the product.

Project Schedule

PHASE 1
06/2022

Both meet to allocate funds and implement our previously planned budget.

PHASE 2
06/2022

Meet with Dev Team to discuss and divide the technological aspects of the project (coding, design).

PHASE 3
07/2022

Peter reaches out to social media platforms / website developers for advertisements.

PHASE 4
07/2022

Meet with BioTrue to gather materials (contact lenses, solution).

Project Schedule

PHASE 5
09/2022

Wrap up software development for the project, including physical design and chip placement.

PHASE 6
09/2022

Plan for the implementation of the product in retail locations.

PHASE 7
11/2022

Release the product to public.

PHASE 8
12/2022-...

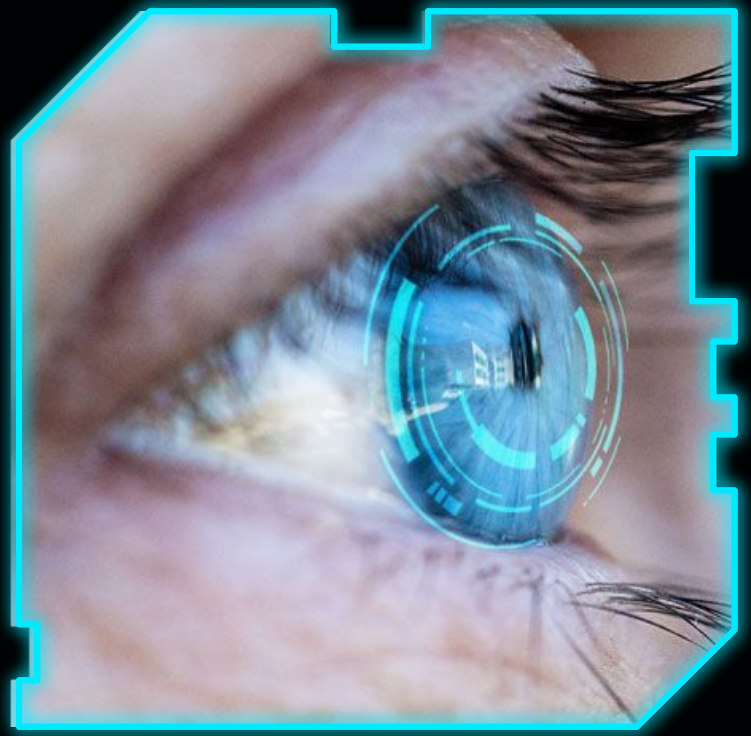
Monitor advertising trends, industry demand, and improve technological bugs if necessary

BUDGET

- Labor
  - Software Dev Team
  - $50 / hour
- Technology
  - Very cost effective
  - $1,000-$3,000 for a single pair
- Advertisements
  - Social media campaign
  - $4,000-$7,000 / month

Why Invest?

- Established partnership with BioTrue
- Feasible technology shows promise
- Demand increasing daily



REFERENCES

- https://www.nih.gov/news-events/news-releases/fish-insects-guide-design-future-contact-lenses
- https://www.seva.org/site/SPageServer/
- https://www.businessinsider.com/why-we-still-dont-have-smart-contact-lens-technology-2020-8
- https://www.wired.com/story/mojo-vision-smart-contact-lens/
- https://skarredghost.com/2020/07/30/mojo-vision-ar-contact-lenses/
- https://www.upwork.com/resources/social-media-campaign-cost