



Cross4Health

Awarded Projects Interview

Awarded Project	<i>Intergration of AI capabilities in telemedical platform for eye exams</i>
Company name	Eyecheck System

1. What is the company's business activity?

Eyecheck System is a cloud-based portal for digital communication between opticians and ophthalmologists. The eyecheck platform has several modules that are developed:

- Question and case
- Diabetic screening module
- Children's assessments

Exploiting accessible resources by promoting collaboration between the main key professions in eye health – optician and ophthalmologist - by using Eyecheck System's digital communication platform. Direct and fast collaboration between opticians and ophthalmologists, increasing and improving the use of existing resources and accelerating of processes.

Eyecheck system is on the market in Norway.

2. What is the XXX project?

Within the project, we have developed the technical integration for testing artificial intelligence in to our platform. The API connection will allow us to connect algorithms in to our system, providing feedback from the results show on a picture overlay annotation on the retinal picture. In the diabetic module, we will test the result up against the assessment of our experts in ophthalmology.

3. How did the idea come about?

We believe that AI (artificial intelligence) will be an important tool for diagnosis support for the ophthalmology in the future. The field of ophthalmology is already very digitally with lots of digital picture and a suitable place to test new and more efficient methods. However, eyes are very complicated and we do see this as a diagnosis support tool at this stage in development/ training of algorithms.

4. Who are the core partners of the project?

5. How did this collaboration between the partners arise?

6. How did you hear about the Cross4Health project?

We came across the project, as we work closely with Norway Health Tech, being a Norwegian start-up MedTech company on the rise.

7. What is the current status of the project?

The project is close to be finished. We have developed a working API solution and have tested comparable assessment of diabetic retinopathy. Our long-term milestone will be to grow the accuracy of the AI solution to help the grader assess the status of the retinal pictures, to get more accuracy on the patients with no need for medical evaluation.

Another milestone will be to start enabling the AI solution to suggest medical diagnosis on some of the most common eye diseases.

8. What are the next steps?

We believe that AI (artificial intelligence) will be an important tool for diagnosis support for the ophthalmology in the future. We will however continue working towards developing good API solutions for our partners.

9. How Cross4Health can support the development of your project?

Cross4Health have given us great support and guidance to navigate in the Regulatory landscape of the new medical device regulations. Being a MedTech start-up with software in the transition from MDD to MDR, it has been a great support to use the Cross4Health experts in the development to our regulatory strategy.

10. Would you recommend Cross4Health to other companies?

We would recommend other companies to apply for the project. We have received great support from the Cross4Health team and the consortium partners.