Category: **Student Work**

Project: **Interface for a firefighters helmet**

What was the challenge?
The equipment of firemen is already sophisticated and well thought out.
Still, there are innovations that can be used in order to increase the safety and to make the rescue process run smoothly.
Since this project was a diploma in the industrial design department, the main focus laid on the design of the helmet itself.
Nevertheless, the interface is what truly improves the state of the art and makes the project innovative.

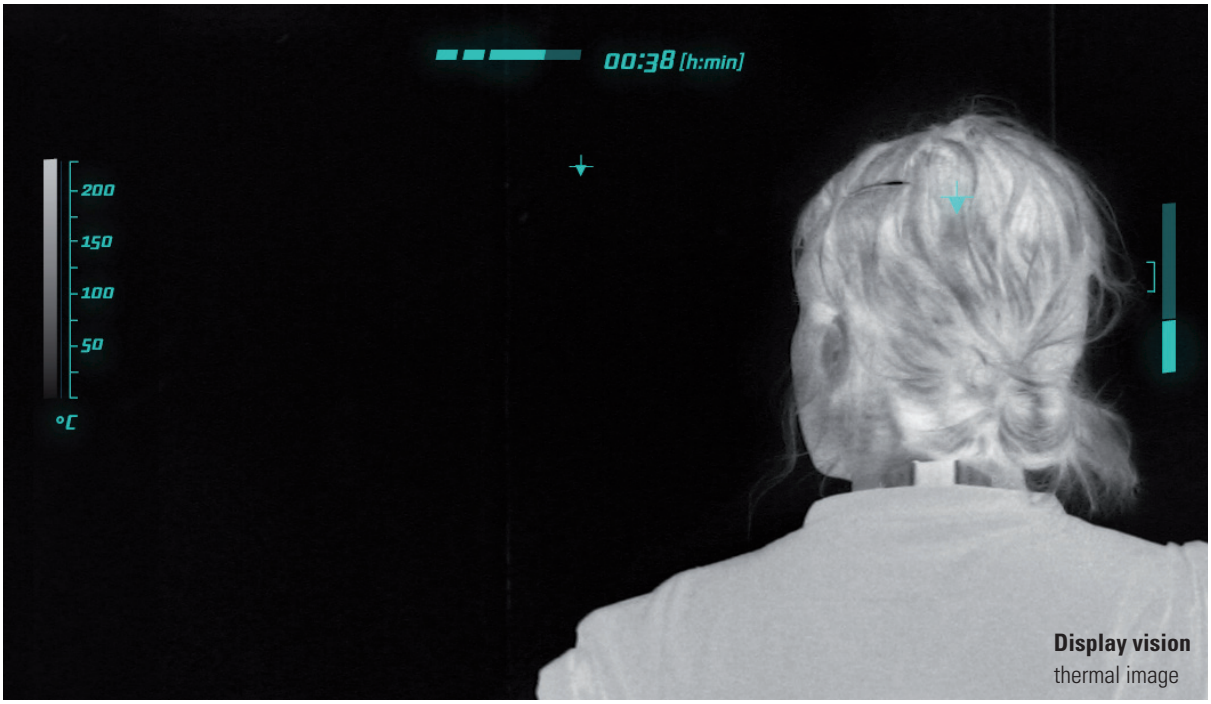
What was the solution?
Head-up displays are already in use in cars and -at least in prototypes- helmets.
Via augmented reality, its possible to not only show basic information to the user, but to create a whole picture of the given situation.

What was the effect?
The data of measuring instruments like thermal imaging cameras, gas detectors and position systems improve the communication and orientation of all people in action and give a better overview of the situation. Further information like fire sources and personal information like oxygen and time countdown is displayed on each firemens head-up display. In case of a technical aid, construction details of a car can be also displayed on the screen, in order to speed up the rescue of injured people.

Supervisors Interface

Contact:
Barbara Mozdyniewicz
University of Applied Arts Vienna
bm@goodworksgood.com
www.goodworksgood.com

Display vision
technical aid



Display vision
thermal image