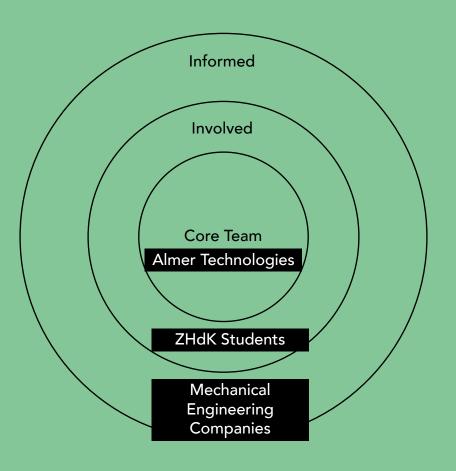


MOBILE USER INTERFACE



STAKEHOLDERS MAP



Core team

Full time on the project/team (e.g., PMs, engineers, designers)

Involved

Regularly providing input or helping to move work forward, but this project is not their sole focus

Informed

Wants to stay up to date and will provide feedback/input when necessary



RETO, 29

Bio:

Reto is a 29 year old frontliner working with complex machinery. He is highly skilled and tech savy.

Goals:

Fix problems as fast as possible.

Personality:

Analytical Creative

Judging Perceiving

Extrovert Introvert

Behaviours:

He uses Andoid and windows and puts function above form. Looks for the most cost effective solutions to his problems

Pain points:

Communication issues with existing methods (microsoft teams, tablet, phone), long waiting times

Motivation:

Communication issues with existing methods (microsoft teams, tablet, phone), long waiting times

No 1
Interaction Design I HS2022



Ivan is a 36 years old expert working with complex machinery and is the one costumers contact if they have unexpected problems with their machines. He has a lot of experience and people rely daily on his expertise

Goals:

Educate and guide costumers.

Personality:

Analytical Creative

Judging Perceiving

Extrovert Introvert

IVAN, 36

Behaviours:

He is old school but ready to adopt to new technologies. He is pragmatic, logical and tech savy

Pain points:

Communication issues with existing methods (microsoft teams, tablet, phone). Many costumers to attend

Motivation:

Communication issues with existing methods (microsoft teams, tablet, phone), long waiting times

Nº 2



Eduardo is a 34 year old Manager that has to work with many different parties. He has a lot of pressure and needs to have an overview of everything going on with a project

Goals:

Independence and self sufficient of team members, looks for the most efficient workflow

Personality:

Analytical Creative

Judging Perceiving

Extrovert Introvert

EDUARDO, 36

Behaviours:

His main working tool is his iphone and email. Usually stressed and loves coffee

Pain points:

Concerned with time and cost

Motivation:

Communication issues with existing methods (microsoft teams, tablet, phone), long waiting times



AZIZA, 43

Bio:

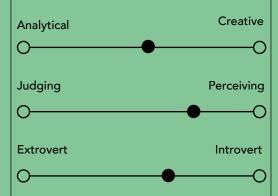
Aziza, 43
Qualification Engineer
Works in the a pharmaceutical company that manufactures equipment for sale in all countries of the world.

Her responsibility is to show customers from all over the world their product and check the state of the product

Goals:

To make the process of introduction of customer to a product easier, less expensive, and more intuitive while they are in another country.

Personality:



Behaviours:

She uses her Phone and Tablet a lot at work for documentation and communication with clients. She is open to new technologies.

She tried working with AR glasses

Pain points:

Communication issues with existing methods.

Hard to bult trust and communication on distance.

When wearing AR glasses for a few hours she get headaches because of weight

Motivation:

Make the process faster, cheaper, more ecologically-friendly

No 4
Interaction Design I HS2022



YASH, 32

Bio:

Yash is an Ambulance paramedic. He works in a medical team who arrives by ambulance to assess the patient medical condition and treat him before taking him to the hospital. They manage the treatment on the way to the hospital until a patient is in the care of the emergency department.

He does: provide advanced life support perform clinical procedures administer drugs decide which hospital or medical facility is the most appropriate for their patient.

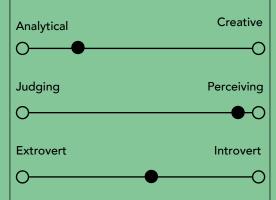
Behaviours:

He is always collected and reserved. By reflex, at any moment he is ready to quickly respond to an emergency. Very empathic. It is hard to endure the death of patients.

Goals:

He noticed that in some situations ambulance cannot do much and all the situation depends on people around a patient. He would like to be able to help on a distance.

Personality:



Pain points:

Communication issues
Patients/people around cannot
describe the emergency situation
clearly
Trust issues (that he understands
them correctly)

Motivation:

Reduce the number of situations where people are left alone to face an emergency situation
To remove the feeling of helplessness
Provide people with a feeling of reliance

Nº 5



ARMINE, 48

Bio:

Armine works as a technical engineer. Armine has over 30 years of experience.

She works on development of a new equipment/ machines. She always tries to find ways to make a process smoother and faster. Though safety is her always number one priority.

She often collaborates with engineers from other departments who are located worldwide to work on a

Behaviours:

Usually, she thinks that to get work done she has to do it herself. She has a hard time delegating tasks or sharing responsibility.

She welcomes new technologies but prefers only necessary gadgets.

In her opinion technologies should be "invisible" in use. She needs it to only assist her actions.

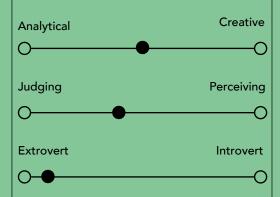
Goals:

An easy and trustworthy workflow with collegues from abroad

Make it easy to brainstorm together

More intuitive way of communication

Personality:



Pain points:

Hard to collaborate when partners all located worldwide

Hard to explain the design ideas

Motivation:

More intuitive way of communication/collaboration

Nº 6



Silvia (37), working as an experienced Agricultural Engineer. She works on field and is involved in waste-to-energy projects and carbon sequestration.

Goals:

Prepare and present technical reports, meet with clients, and communicate technical concepts/machinery to internal and external stakeholders.

Personality:

Analytical	Creative
Judging	Perceiving
Extrovert	Introvert

SILVIA, 37

Behaviours:

She uses an android tablet and is well organised. Works on field or from the office.

She documents everything and is tedious.

Pain points:

Having all her tasks incorporated, many different fields and communication programs being involved.

Motivation:

Improvement of farming equipment and machinery, hopes to get easier solutions for problem solving.

Nº 7



EMMY, 23

Bio:

Emmy is 23 and works as a junior Mechanical Engineer in hydroelectric facilities.

Goals:

Learning and become more confident in her field.

Personality:

Analytical Creative

Judging Perceiving

Extrovert Introvert

Behaviours:

Is adaptable and comfortable with using new technologies. She works closely with her supervisor, helps a lot with tech gadgets, and is able to bring new ideas to the table.

Pain points:

Prefers to find solutions on her own and wants more independency.
Worries to get to nervous using AR.

Motivation:

Being



Aparna is 49 and a Consultant for Packaging Professionals. She is an expert in cosmetics area.

Goals:

A seamless workflow where everyone knows their position and task.

Personality:

Analytical Creative

Judging Perceiving

Extrovert Introvert

APARNA, 49

Behaviours:

She uses Apple products (iPhone and tablet) and windows based computers. Technically fit, has a firm tone and prefers saying things once.

Pain points:

Believes that on sight customer service is essential for trust and prefers her experts doing the job. What happens if something breaks, who needs to pay?

Motivation:

Future orientated, low-cost, efficiency



Benito is a 46 year old costumer supporter. He works remote by giving instructions to engineers through call (voice or video).

Goals:

Detecting problems through video call

Personality:

Analytical Creative

Judging Perceiving

Extrovert Introvert

BENITO, 46

Behaviours:

He is very calm in his field of work. He has to remain calm to prevent hysterical behaviour on the engineers site.

Pain points:

Communication issues due to bad connection, language barrier, misunderstandings

Motivation:

He likes the idea of seeing through the eyes of the engineer on site but is afraid that working with AR/VR glasses causes more issues



Monika is a 58 year old technical engineer specialised in heavy machinery. Has been working in this field for more than 25 years. Generally never had to use the AR/VR glasses, since she came across all possible issues.

Goals:

Happy costumers, flawlessly working machines

Personality:

Analytical Creative

Judging Perceiving

Extrovert Introvert

MONIKA, 58

Behaviours:

She is very strategic when facing an issue with a machine. She goes through the manual step-by-step.

Pain points:

Costumers try to fix the problem themselves and make it worse. Missing items.

Motivation:

She doesn't like the futuristic technology and thinks the relationship with the support people is on the line.

Nº 11



Devyani is a 31 year old manager who just recently restructured her company by getting more energy efficient machines from abroad.

Goals:

Keep the same amount of output with less energy waste.

Personality:

Analytical	Creative
0	
Judging	Perceiving
0	
Extrovert	Introvert
0	•

DEVYANI, 31

Behaviours:

She's very creative and wants to try different ways of running her business. Due to recent occurences, she decided to swap all machines.

Pain points:

If a machine breaks down, it takes a long time for a specialist to get in touch or fix the issue. Loss of income.

Motivation:

She's keen to try out the new possibilities that come with the glasses in order to minimalise her main painpoints.

Jim is a 43 years frontline engineer who works at a production site. He has never used AR Glasses before and is only familiar with normal digital devices

Goals:

The goal is primarily to fix the problem as easily as possible.
He wants to understand where which parts have to be dismounted, replaced, etc.

Personality:

Analytical Creative

Judging Perceiving

Extrovert Introvert

JIM, 43

Behaviours:

Jim just wants to solve the problem as fast as possible. He has no interest in looking through the whole documentation and figureout the problem by himself

Pain points:

Until now all the communication was over Microsoft Teams. He had to look at the tablet and the communication was very slow.

Jim really knows the machine he works at. There are some small parts and sensors though, that he doesn't really know.
He doesn't really care how, but he just want's that everything works.

just want's that everything works. He isn't particularly interested in AR, as the solutions worked so far.

Motivation:

Easier use of a display as reference. Better assisted instructions while repair.

Nº 13

Kevin is a field engineer. He chose this job because he likes to work with his hands and in the field, but is also really interested in the theoretical an technical challenges of the engineering industry.

Goals:

His goal is to fix the problem and looks for other maintenance issues. One visit should suffice for a longer time.

Personality:

Analytical Creative

Judging Perceiving

Extrovert Introvert

THOMAS, 39

Behaviours:

Kevin is excited to solve problems and would rather fix everything himself. If he isn't sure if the people on site are able to fix the problem, he rather gathers a team and travels to the site.

Pain points:

In a lot of situations he doesn't really understands what the problem is because the descriptions aren't very precise Open person who loves to meet new people and new cultures. He also really likes his job because of the days off while traveling.

Motivation:

Not a lot of interest in the AR Glasses other than being able to recognize the problem better. He wouldn't want that every problem is being solved with the glasses, because that would take away his favorite part of the job and he would just sit at his desk all day long.

Nº 14

Thomas is the manager of local production site in India. He is responsible that the production runs smooth and uninterrupted.

Goals:

His goal is to run the production as smoothly as possible

Personality:

Analytical Creative

O

Judging Perceiving

Extrovert Introvert

Bit of an asshole but succesful

THOMAS, 39

Behaviours:

Thomas is clearly interested that the problem is being solved as fast as possible as time and money is being saved. He doesn't really care what his workers like, he just wants the problem fixed.

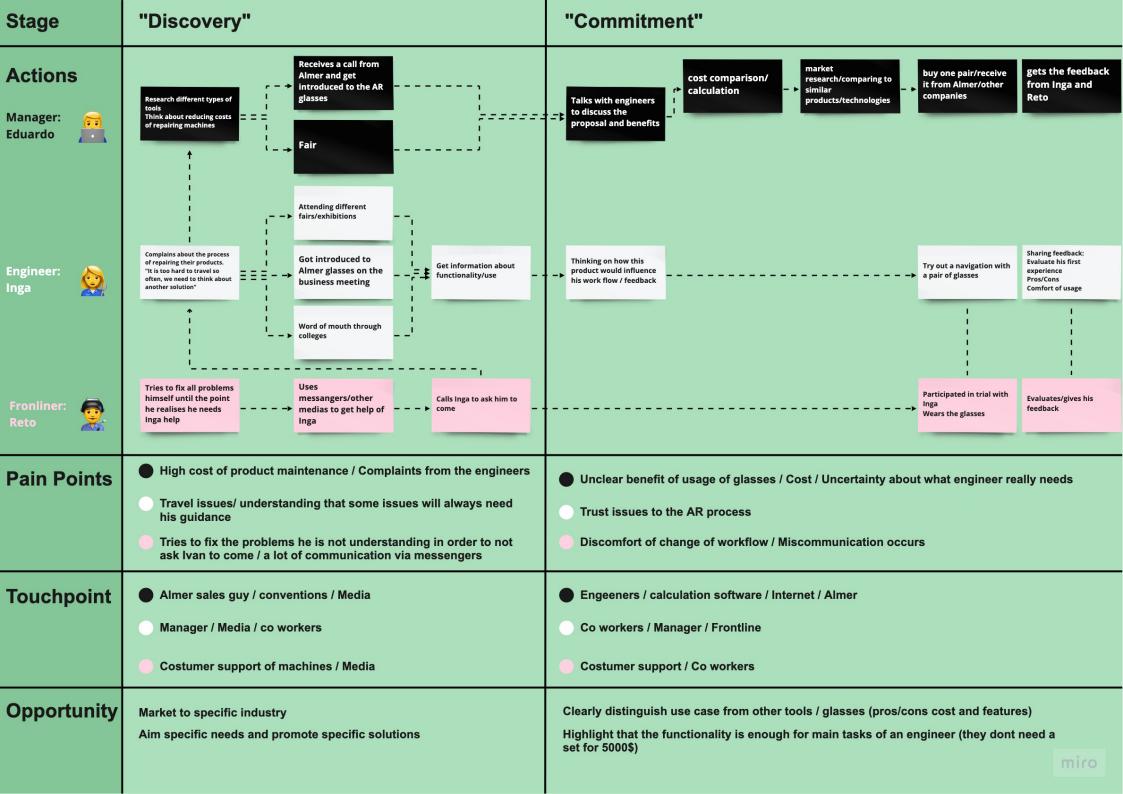
Pain points:

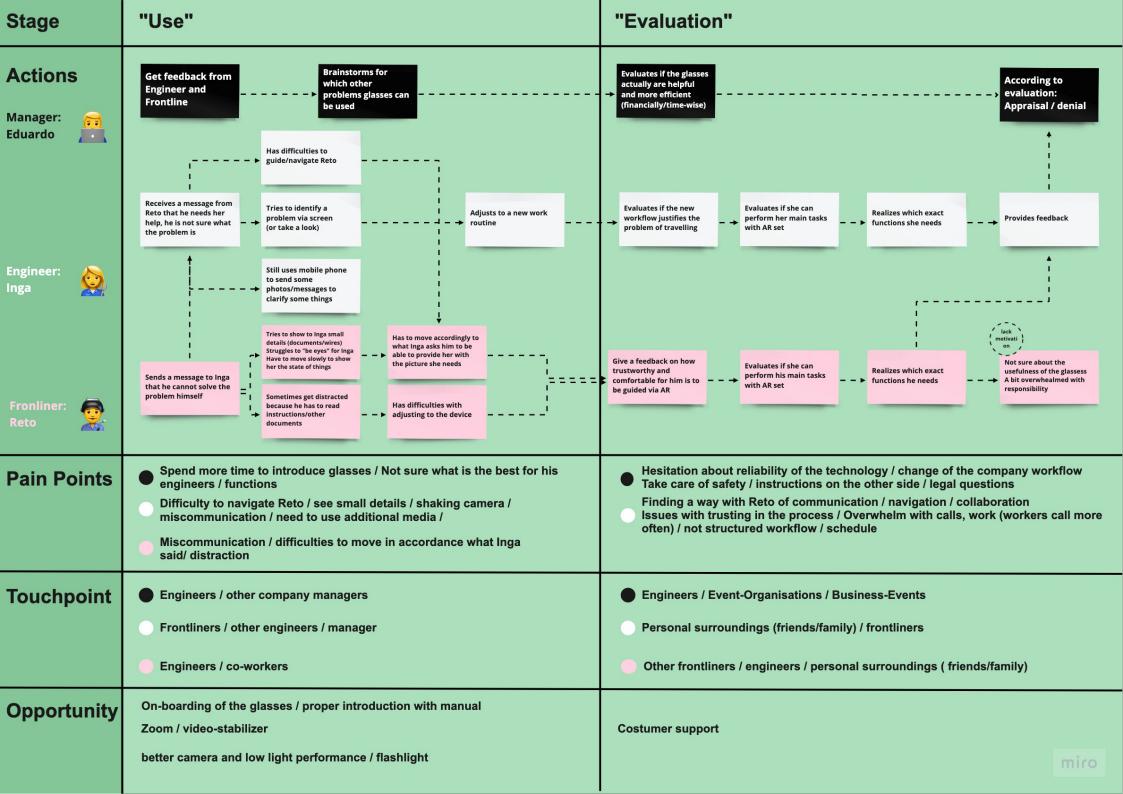
If there are external experts involved there is a lot of time being lost in production, because flight hours can take up to 50 hours.

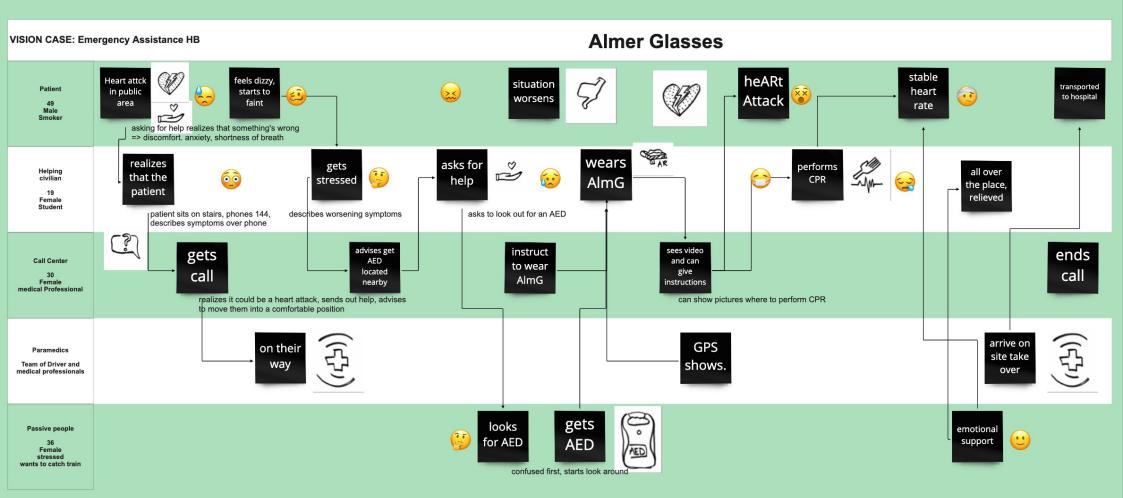
Motivation:

Maybe he gets promoted if his production site produces more than others.

Nº 15







Need for improvement

- Automatic Connectivity
- · Remote Start
- · Campaign to sensibilise

Why?

- · Emotional support
- · Confidence in taking care