

What do they
THINK AND FEEL?

what really counts
major preoccupations
worries & aspirations

Side-effects of
being exposed
to Hazadous
Industrial Areas

Inability of an
average person
to predict the
quality of the
environment

Complicated
warning
mechanism to warn
the workers in case
of an emergency

Absence of a
faster
warning
mechanism

What do they
HEAR?

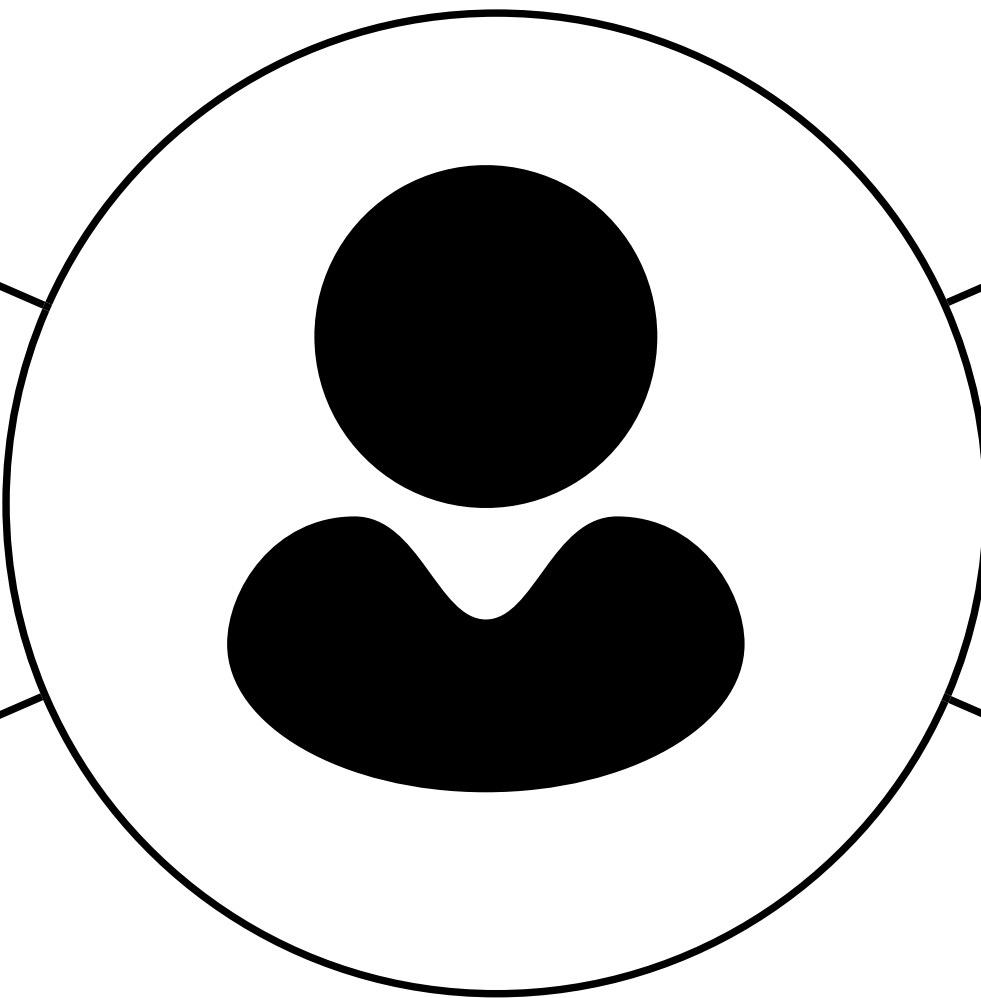
what friends say
what boss say
what influencers say

Hazardous
Areas need to
be monitored
regularly

Workers may
not know about
the toxicity of
the
environment

No mechanism
to notify all the
workers in case
of emergency

Need for the
development of
smart sensor
devices to ensure
saftey to the
workers



Highly Inflammable/
flammable chemicals

A highly toxic
hazardous
environment

Machines
capable of
producing large
amount of fire
and heat

Industrial
Hazardous
Area

What do they
SEE?

environment
friends
what the market offers

What do they
SAY AND DO?

attitude in public
appearance
behavior towards others

An user friendly
wearable smart
beacon device

Wearable
smart device
intergrated
with
cellphones

Enforcement of
saftey to every
user in the
working
environment

Smart devices
which reduces
the human
fatigue due to
supervision

PAIN

fears
frustrations
obstacles

Failure in the
IOT system/
smart beacon
device

Cost spent on
development
and regular
maintance of the
wearable device

Workers should not
forget to wear those
smart beacon devices
and this must be
ensured by the
industrial area
security

GAIN

“wants” / needs
measures of success
obstacles

Better
saftey for
the workers

Ability to detect
hazards and
unlikely events
quickly and to
reduce the damage
caused by them

Workers are
informed about
the potential
hazards regularly