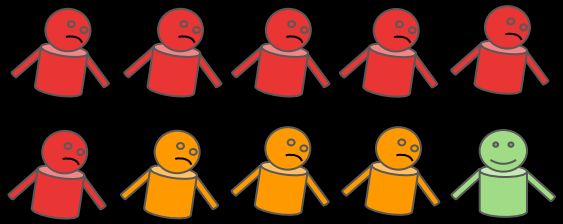
[BodyPose] ACEAI 2019/20

Marc - suffers from back pain

due to **bad body posture habits** at his workplace.

Motivation



60% - 90% of people will suffer from **low back disorders** at some point in their life (1)

(1) European Agency for Safety and Health at Work

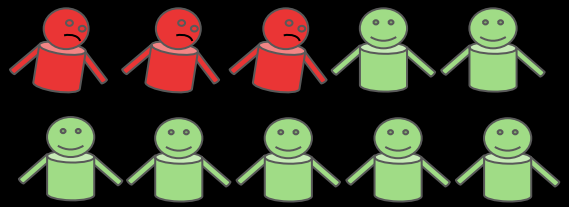
Motivation

56 %

of all **employees** in EU **use computers** & internet at their workplace (1)

30 %

of European **workers suffer** from **back pain** (2)



1.

back pain tops the list of all reported **work-related disorders** (2)

(1) Eurostat (2018)
(2) European Agency for Safety and Health at Work

Our Mission

What specifications should a solution fulfill?

Easy to use

No extra gadget

Feedback

Robust

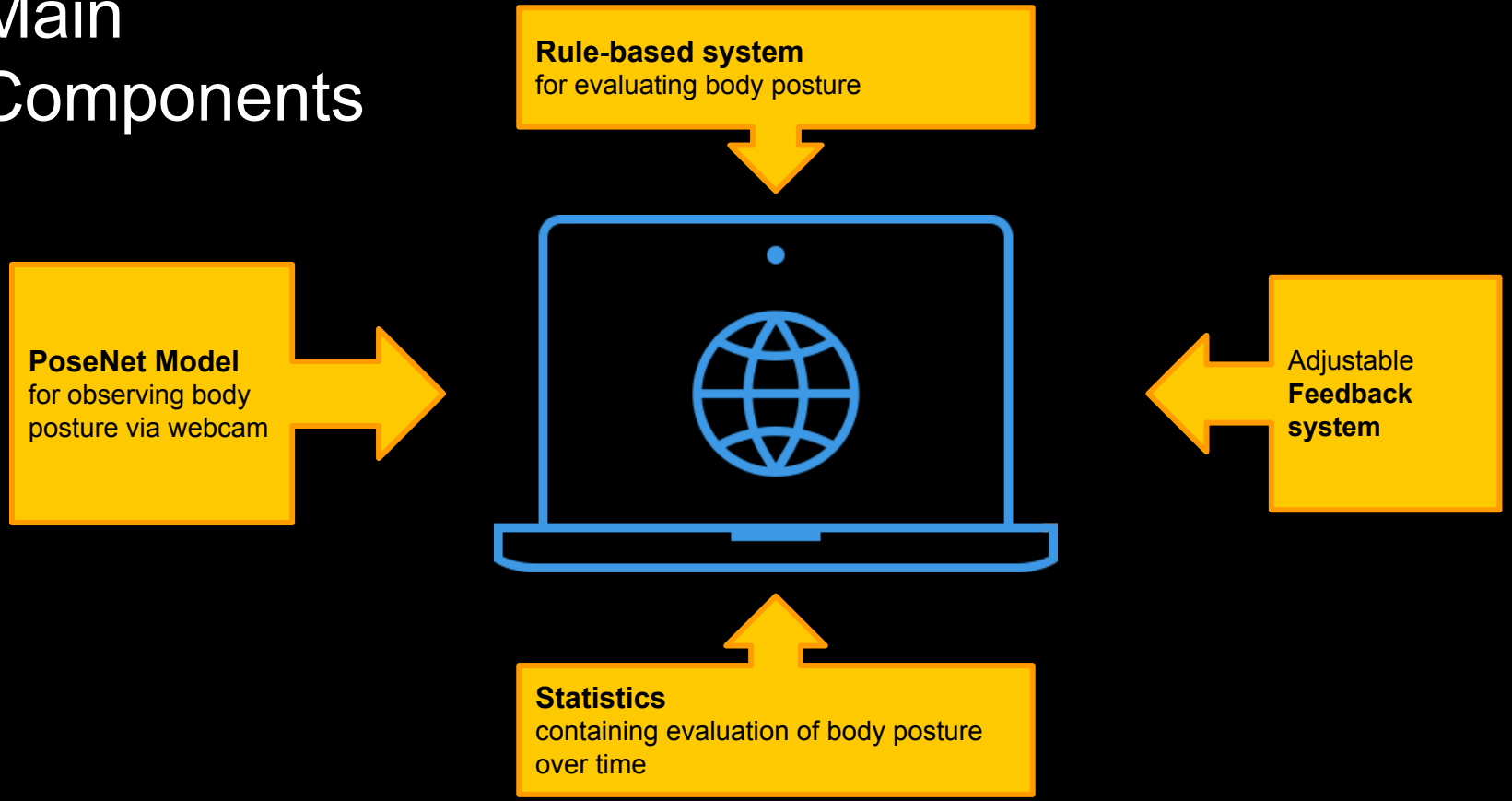
Efficient

Modern Design

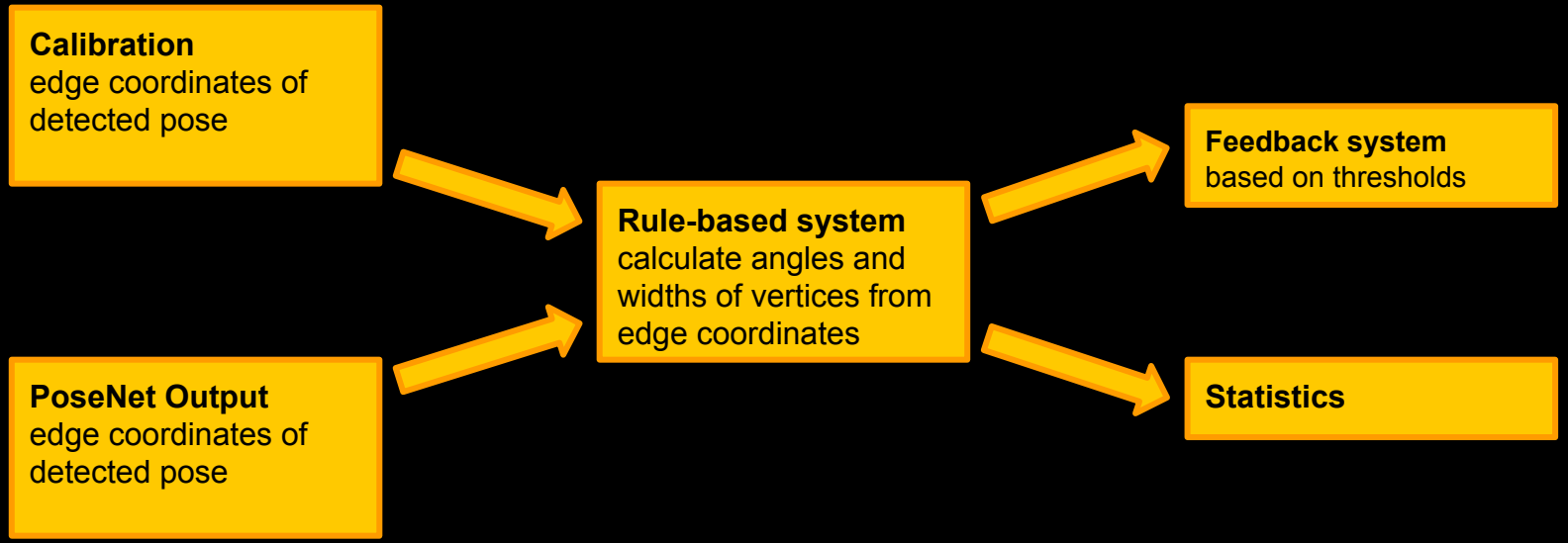
BodyPose - is a Webapp

that **improves body posture** habits
at workplace

Main Components



How does it work?



Lessons learned

"Slim" Deep Learning models still have high power consumption

How to embed a pretrained model

How to adjust a pretrained model for better performance

Technologies