

# **Exchange of good practices in OSH Healthy Workplaces Campaign Partner event**

**Brussels, 13-14 June 2022** 







### **Health & Safety in a Digital Age**

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2. Review



3. Deep Dive

## Al & Ergonomics

Preventive ergonomics based on Artificial intelligence

Global Pilot of the TuMeke App for ergonomic risk assessments





## **Virtual Reality**

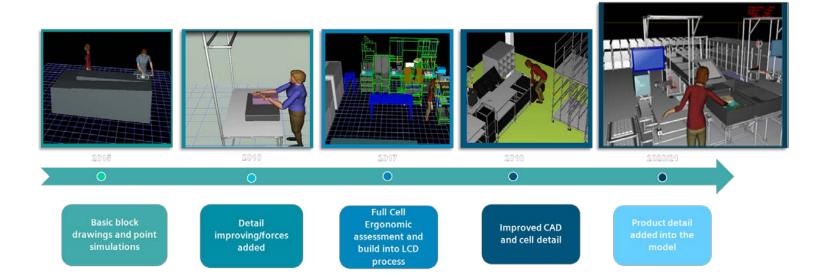
#### **Digital Picture – "Jack"**

- Allows changes to the ergonomics of the cell before it gets released into production meaning time and material cost savings are realized.
- Clash zones are identified within build processes to allow for layout and process changes if required
- Weights and number of repetitions can be added in and cross referenced against EAWS guidelines





Jack improvements over the years....



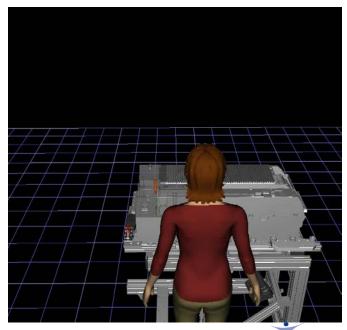




Jack improvements over the years.... Reality



### Virtual Reality





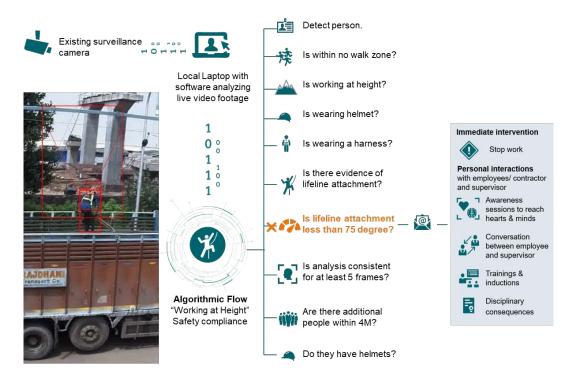
### **Safety Monitoring & Risk Tracking**







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### **Video Surveillance App**

Remote monitoring of activities critical to safety including real time guidance and coaching





#### **Safety Monitoring & Risk Tracking**





## Al4Safety@ Factories

#### **Leveraging AI for EHS**

Leverage video analytics, artificial intelligence and machine learning to proactively detect safety violations and generate alerts.

- ☐ Focus on high risk, high frequency use cases
- ☐ Alert local responsible team for immediate action
- Being developed in-house
- □ Scalable across locations
- Positive impact on human behaviour





### **Audit & Assessments**







#### **Audits & Assessments**



## **Remote Audits**

## Reviews, interviews and site tours in a virtual way

Use of data glasses in combination with SightCall software or smart devices supports flexibility, reaction speed, and transparency





#### Contact

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