

Digital Tool for Ergonomic Audit

The challenge

Ergonomic Audit is an essential part of SE EHS activity and SPS audit, to ensure we provide best in class safe and healthy environment for operators to work. All Schneider Electric Plants and DCs are conducting Ergonomic audits as per SE ergonomics assessment guideline for each and individual operation, which is very time consuming.

- The Auditor needs to get training for conducting the audit
- The result of each audit is very much personnel, dependent and varies from person to person
- The Audit score is not tamper-proof and can be manipulated
- We do not have a centralized database

What are we looking for?

The main goal of this challenge is to create a complete digital process for ergonomic audit.

- Common platform for diverse types of manufacturing and DC processes
- A digital tool with smart computer vision camera which can record the complete operator movement and calculate the score
- Tool connected with different IoT sensors for capturing real time ergonomic and work environment data to track record
- Deskill the audit process, anyone can conduct the audit after simple training on tool
- Auto scheduling and alert for audits across all the Plants and DCs
- Process tool for conducting the ergonomic audits in each manufacturing unit, WH and DC operation
- Centralized repository for all the audit reports with summary BI dashboard
- Functionality for benchmarking between similar operations
- SE digital Cyber Secure certified application

What are we NOT looking for?

- A solution which needs skills personal to use
- Retrain or reconfigure the tool again
- Very long deployment time
- Coded solution

Technology Specification

The solutions will be evaluated according to the following criteria.

- Simplicity

- Easy to use
- Scalability
- Less dependency on hardware and other peripheral conditions
- Cost
- Deployment time
- Accuracy of result

Evaluation Criteria

1. Technology readiness level
2. Feasibility of implementing the solution at SE

Sample for Ergonomic Audit Checkpoints:



SE_ErgoAssessmentA
ssembly.pdf

For more details and to apply click [here](#)