

## **Workforce Management Tracker**

### **Background**

Productivity is one of the major elements that requires to be monitored in a Supply chain organization. As such, traditional time study, productivity logging or output-based monitoring are mostly presented. The aim of this use case is to harness technology through IOT enabled platforms to monitor productivity, efficiency, and inefficiencies (waste).

### **The Challenge**

- At Schneider Electric, we track Data pertaining to labor waste collection (labor) through LDS (Lean Digitization System) which is a productivity and quality platform. However, this data is gathered and uploaded manually causing discrepancies. Examples of waste hours include material shortage, machine breakdown, quality defects. There is good potential of this process of collecting the data being automated. Thus, the data can be studied further to improve productivity through Automated tracking of waste hours and insights for efficiency barriers.
- Apart from that, tracking operators clocked in hours through scanning could also be better improved through the use of IIOT as well as auto tracking of the number of good products produced.

### **Technology Specification**

- Integration into Lean Digitization System
- Tableau dashboard – Analytics visualizations
- Wearables – To monitor personnel
- New platform – To be defined, open for proposal
- IoT – Workstations, tools, etc.
- AVEVA Discrete Lean Management – For SE sites utilizing this tool.
- NFCs, 5G Sensors – For product handling
- MES and ERP (Oracle) – For production data, work orders and resources availability.

### **What are we looking for?**

- Monitoring tool integrated to LDS (SE Tool)
- Applications of IoT
- Convergence of Hardware and Software
- Disruptive methodologies in monitoring performance, tracking waste hours.

### **What are we NOT looking for?**

- Traditional methodologies in monitoring
- Processes without application of hardware technology

## **Evaluation Criteria**

Out of box methodology/ies in data gathering, trigger points, data transformation and data presentation in the subject of efficiency and waste hours management for labor workforce

## **Deliverables**

- Methodologies in gathering data and transforming the data to insights specific to wastes and efficiencies
- Data points and its triggers
- APIs and other service for Data Gathering to SE Systems and dashboards.
- Data Analytics for wastes and efficiency data. Descriptive & Predictive level

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