

# Digitisation of Standard Operating Procedures to improve work efficiency (SOPs)

Creative solution to reduce switch over time using AR

**LEADING SEMICON COMPANY**



## BACKGROUND AND CHALLENGE

Standard operating procedures are at the heart of critical procedures and are necessary to ensure compliance. They are a set of written procedures that assist an organisation to maintain quality control and assurance.

A leading semi-con company was facing the challenge of digitalizing the SOPs and use them while operating on the machine or repairing the machine.

## SCOPE OF WORK

To help the client embrace digital solutions to address their operational challenges.

Tata Elxsi helped the customer convert the manual PDF based SOPs into Digital SOPs.



## SOLUTION

- An innovative AR based factory solution that helped the client save several minutes leading to a quicker turnaround time. The AR experience offered service technicians to leverage AR glasses that overlays virtual schematic illustrations and instructions on their job.
- Using Think reality platform, SOPs in the form of workflows were migrated to an HMD device format (Lenovo A6 & A3).
- With about 20,000 SOPs on the HMD, technicians were able to now seamlessly carry on working without the need for switching to a device and shifting their focus.
- Tata Elxsi's multi-disciplinary team comprised of highly skilled technology experts, developers and testers who executed the project in 6 months.

## IMPACT

- User efficiency increased by 30%
- Decrease in expense on physical training by 40%
- Decrease in turnaround time
- Reduce training period by 43% because of advantage of remote training