


SIMULATION ANALYSIS (DES STUDY)



PROJECT SCOPE

- // Validate automated EOL operations
- // Determine the minimum operational shuttle speed
- // Obtain shuttle & robot utilization and the ULF output per hour for each line by varying line speeds
- // Study the surge/accumulation on the case-carrying conveyors

SOLUTION HIGHLIGHTS

- // Dynamic simulation model with Excel interface to test what-if scenarios
- // Current state: Robot utilization, shuttle utilization, minimum shuttle speed, ULF output per hour
- // What-if scenarios: Surge/Accumulation of cases on conveyor during breakdown of the ULF