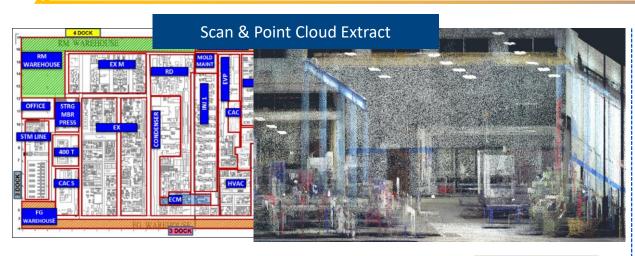
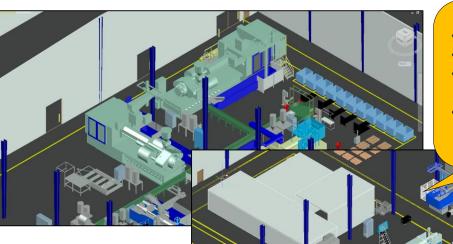
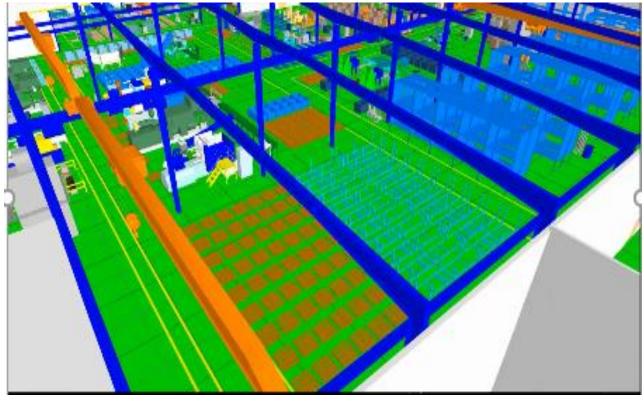
# Digital Twin - Factory Design & Validation





- Space validation
- Flow evaluation
- Material presentation
- Safety



20% down



30% down



Material movement

Improved

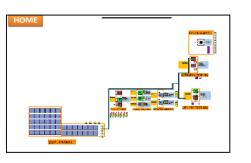


Machine Accessibility

## Digital Twin - Decision making model with real-time data



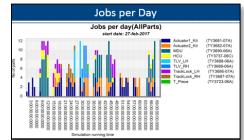


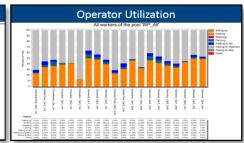


#### OBJECTIVE

- Bottlenecks in material flow
- Day to day resource planning
- Inventory management
- Connecting real data









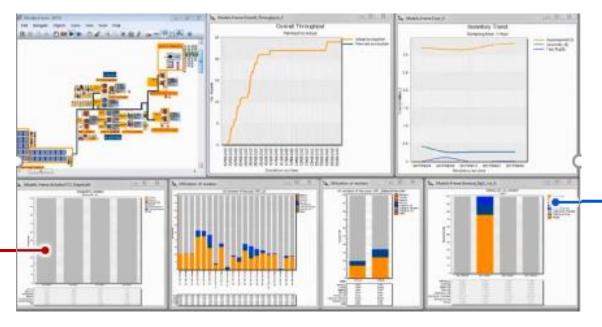


### Inputs from Real-time

- Process time for stations
- Rejection percentage
- Breakdown/repair time
- Inventory status

### Input from GUI

- Production plan
- Operator details
- Shift timings
- Material Handler details



75% down



Resource utilization

Balanced Quick decision



Real-time

Tracking Autor

100%



\$ 72k

Annual saving estimated

Partwise Throughput

Adultion Throughput

Adultion





#### Result

- Planned Vs Actual production output
- Operator utilization
- Work centre utilization
- Inventory details
- Available/Required hours