AUTONOMOUS MOBILE ROBOT
Dynamic re-routing of path to accommodate change in production plan

CHALLENGE WITH AUTOMATION OF MATERIAL FEEDING TO TBM (Tyre Building Machine)
1. Limited space, so dedicated path not available for AGV
2. Dynamic material movement route as per plant output requirement

SOLUTION
• AMR with natural navigation

KEY FEATURES
• No change required in existing plant infrastructure
• Multiple process poke-yoke and safety interlocks
• Capability to integrate with client MES at later stage

RESULTS
• No restriction on floor movement of MHE and people
• Optimization of manpower
• Higher safety and elimination of accidents