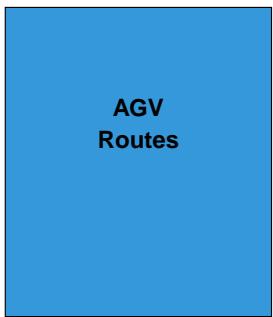# Industry 4.0 Plant Layout Considerations
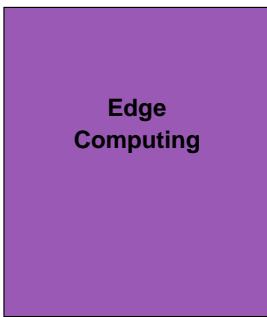
New infrastructure requirements for smart manufacturing

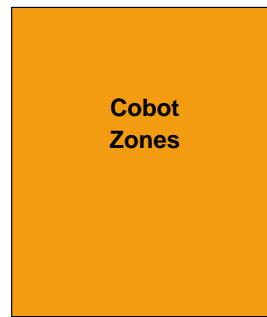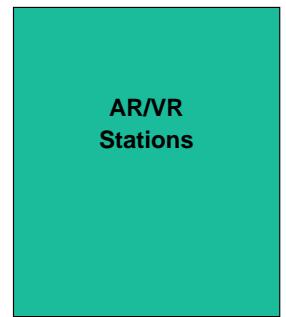| AGV Routes	5G/WiFi Coverage	Edge Computing	Digital Twin	Cobot Zones	AR/VR Stations
Floor markings, charging stations, traffic management	Network infrastructure for IoT sensors, real−time data	Local processing near machines, low latency	Virtual replica of physical plant, live updates	Safety zones, human−robot collaboration	Training, maintenance guidance, remote assistance