

Technologies

| Technology | Summary | Incremental or Game Changing | Learn | Watch | Pilot | Use |
|---|--|------------------------------------|-------|-------|-------|-----|
| 3D Printing | 3D printing creates physical products from a digital design file by joining or forming input substrate materials using a layer-upon-layer printing approach. | | 90% | 75% | 40% | 5% |
| Active Bridge Monitoring | | Incremental | | | 25% | |
| Augmented reality - MIXED REALITY | | | | | | |
| Autonomous Vehicles | In the same way that this technology can bring can lead to better commutes, autonomous bulldozers, cranes and trucks can improve the construction industry by increasing safety and productivity. | Game Changing | | 75% | 20% | |
| Block-Chain | | | | | | |
| Computer Vision Monitor / Robotics / Vehicles | | IN | | | | |
| Construction Holodeck 3D Glasses /Hololens | | | | 50% | 50% | |
| Convergence Of Technologies | | | | | | |
| Data Automation Tools EquipDX | | GC | | | | |
| Energy Storage Dens in Batteries | | GC | | | | |
| Exo-skeleton | Powered exoskeleton is a wearable mobile machine that is powered by a system of electronic motors, pneumatics, levers, hydraulics or a combination of technologies that allow for limb movement with increased strength and endurance. | Incremental | 60% | 20% | 20% | |
| Floating LNG Technology | | | | | | |
| Get Rid of Drawings / Use Info or Mach | | | | | | |
| ISO 15926 | | Game Changing | | | | 60% |
| Just in Time Fabrication | | GC | | | | 80% |
| Machine to Machine Technology | | | | | | |

| | | | | |
|--|--|-------------|-----|-----|
| Neural Networks, Deep Learning, Car Products | | | | |
| Octopus Technology Drilling platforms | | | | |
| Realtime Audio Translation | | Increm / GC | 50% | |
| ROBOTICS | Examples of robots in the construction industry include: demolition robots, to bricklaying robots, welding robots, roadwork robots and forklift robots. | | | |
| Scan to BIM | | GC | | |
| Smart Materials | | GC | 35% | |
| Smart Vehicles /Equipment | | GC | 75% | 25% |
| Supercomputing and 3D Seismic | | | | |
| UAV / UAS | Within the construction industry, drones are already being used along with laser, infrared or other sensors to monitor construction activities and produce topographical surveys of the construction site. | GC | | |
| Virtual Reality | Virtual reality technologies completely immerse a user inside a synthetic environment, where a user can no longer see the real world around them. | IN | | |
| Watson - Artificial Intelligence | | GC | 30% | |
| Wireless Indoor Mobile Asset Tracking | | GC | | |