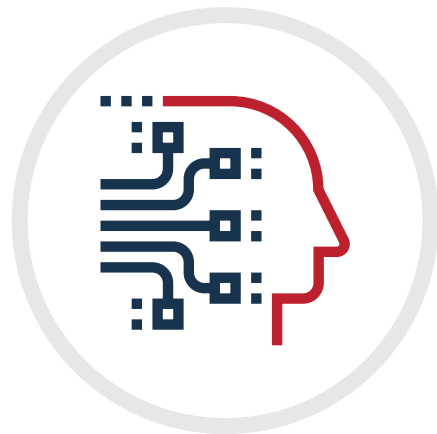


# THE INCREASING ROLE OF TECHNOLOGY IN MANUFACTURING

Manufacturing continues to evolve, with technology playing an ever-increasing role in its development. Some of the current and emerging technology trends include:

## REMOTE MONITORING & SENSORS:

Industrial sensors can detect potential maintenance issues and track manufacturing cycles remotely, requiring fewer workers to be on-site.



## ARTIFICIAL INTELLIGENCE:

AI is being used in a variety of ways, including detecting whether employees are wearing appropriate personal protective equipment (PPE) as well as for predictive maintenance.

## AUTOMATION INTEGRATION:

Older production assets can be modernized to provide cutting edge operator safety, accuracy, efficiency and throughput improvements at a fraction of the cost of buying new.



## DIGITAL TWINS:

Digital twins can be used to manage the effectiveness and performance of manufacturing lines and machines.

## COMPUTERIZED MAINTENANCE MANAGEMENT SYSTEMS (CMMS):

Advances in these systems make it easier to electronically schedule work orders, streamline processes and procedures, and optimize workflows for more efficient maintenance operations.



## ADDITIVE MANUFACTURING:

Also known as 3D printing, this is being used by manufacturers to fabricate high-quality components during production.