

Automating IoT-Enabled Real-time Tracking & Monitoring of Infrastructure Enterprise Assets through RPA



How Conneqt enabled a leading infrastructure company to implement an RPA solution to automate Daily Performance Stats Reporting leveraging IoT

THE CLIENT



Our client is amongst the fastest growing and most admired infrastructure companies with expertise in executing large and complex industrial and urban infrastructure projects. It offers turnkey solutions for the construction of refineries, bridges, roads, integrated metro and rail systems, airports and commercial buildings, transmission, and distribution systems, chemical process plants, water and waste management, and more.

BUSINESS CHALLENGES



- Manual and repetitive processes consumed significant time and efforts
- Inevitable human errors impacted the accuracy
- Redundant processes were a drag on organizational productivity and incurred huge operational expenses

KEY BENEFITS



- Significantly enhanced **user experience** and faster **TAT** (turnaround time)
- **100% data accuracy** maintained till date as bot will not make manual errors
- **67%** reduction in AHT (average handling time) from 30 mins to 10 mins
- Increased **productivity** due to reduction in manual efforts
- Reduced Costs

THE SOLUTION



- Deployed an Intelligent RPA solution that offered a structured approach for seamless Human to BOT transition and security needs.
- Daily Performance Stats process involves managing and tracking IoT-enabled (Internet of Things) physical assets/machinery used in construction, maintenance, and operations using sensors placed on objects.
- The GPS enabled sensors track/gather features like kilometre, fuel, and the number of hours the equipment (trucks, loader, etc.) was used and are connected to a single IoT gateway that collects this data, transmits it via internet connectivity to cloud storage, where it's stored permanently and can be analysed to derive meaningful insights.
- These insights can be viewed via web application 'DT-Machine' anytime anywhere for efficient real-time tracking, fuel level, and monitoring vehicle condition remotely.
- Conneqt deployed a BOT to extract data from 'DT-Machine' mapped it with existing reports maintained by the client's team and sent out the previous day's reports to respective stakeholders before 11 am every day.