

PRESS RELEASE
22nd NOVEMBER 2022

How IIoT is disrupting the Automation Industry

Technological advances and the rise of artificial intelligence have unlocked and delivered insights into the potential of technology for the Automation Industry. The industry is evolving with more businesses embracing digital solutions as they transition through their digital transformation journey. Leading this disruption for the better is IIoT (Industrial Internet of Things).

IIoT can be defined, in easy terms, as a network of smart devices and sensors in the industrial sector which enable machine-to-machine communications that perform automated processes. With benefits resulting in overall improved productivity and profitability, it also features other advantages including:

Predictive Maintenance - IIoT devices and sensors not only capture data and respond with a suitable action, but they also use machine learning to calculate potential events. In brief, IIoT-enabled sensors can predict breakdowns and indicate when maintenance is needed. This reduces unexpected downtime, decreases repair costs, and improves the lifespan of equipment.

Greater Control & Remote Access of Operations - Due to the nature of IIoT systems, operations are linked to a centralised system enabling more control. With access limited to specific individuals, monitoring and usage can be conducted remotely, off-site. It delivers more control and ensures security, and it also lowers labour costs by reducing manual processes such as equipment or people monitoring.

Increased Internal Collaboration - IIoT can help improve internal communication and cooperation between employees, divisions, and levels of management as it provides a shared platform and access to company data. With a unified system it breaks down workplace silos, presenting opportunities for greater interdepartmental collaboration and Inter-engagement.

Improved Safety - With centrally managed processes, IIoT has the capability to facilitate integrated safety measures. This includes incident alerts, automatic shut-down prompts, and other safeguards. Standard workplace safety protocols can be integrated to ensure processes are followed and operations remain safe.

Enhanced Quality Assurance - Quality checks are moved to automated processes that use smart sensors and innovative technologies such as augmented reality applications. Quality is improved with less reliance on manual processes and consequent human error. IIoT can improve outputs, minimise delays and lessen wastages, which in turn reduce operating costs.

IIoT is still in its initial stages with more innovations expected in the next few years. As more businesses embrace IIoT and undertake their own digital transformation journey to stay competitive and relevant, smart devices and connected systems will become the new norm. IIoT will continue to bring positive disruptions to the industry, and in doing so will also persist in influencing expectations, setting new industry standards for quality, product lifecycle, safety, and communication.

If you wish to increase productivity and profitability of your operations through IIoT Solutions, connect with us today! Email us at sales@triplei.com.au, or call 1300 422 444.

About Triple i

Triple i delivers outcomes for all your control, data, electrical, instrument, and mechanical needs with over thirty-five (35) years of experience. We supply a range of technology-based projects, consultancy, maintenance, and support services in the industrial sector. With over seventy-five (75) skilled employees, Triple i provides the best product and services, with integrated solutions designed for client's needs.

