

INDUSTRY 4.0 AND THE INDUSTRIAL INTERNET OF THINGS (IIoT)

London companies are well equipped for the Fourth Industrial Revolution, with access to a range of intelligent capabilities. Internationally acclaimed leaders like [FreePoint Technologies](#), [ZTR Control Systems](#) and [JMP Solutions](#) are established experts in automation, cloud computing, and the industrial internet of things (IIoT).

Infrastructure

- London's industrial parks are well serviced by reliable, high-performance networks offering high-speed fibre connectivity
- Companies benefit from fully-featured data centres with 100G connectivity to Toronto, Chicago, and New York
- LEDC's annual Manufacturing Matters conference offers purposeful networking intended to create B2B opportunities within the advanced manufacturing sector

R&D Capabilities

- [Ontario's Advanced Manufacturing Consortium](#) (OAMC), a partnership between Western University, McMaster University, and the University of Waterloo, makes it easier for businesses to access technical expertise and world-class assets in automation, additive manufacturing, composites, devices (IoT), high-performance manufacturing, light weighting, robotics, and wireless testing
- The [NRC Manufacturing and Automotive Innovation Hub](#) offers capabilities in cyber-physical systems, cloud computing, Internet of Things (IoT), cognitive computing/artificial intelligence (AI), machine learning, inspection/vision systems, robots for assembly, collaborative robots, big data, modelling/digital twinning

Talent

- Fanshawe College and Festo Didactic are [partners](#) in providing manufacturing-related training courses including joint participation in the local Specialized High Skills Major pilot program and planning [industry 4.0 technical training](#)
- [Western University's Industry 4.0 Network](#) (WIN 4.0) is developing a professional Master's program covering areas of additive manufacturing, robotics, ICT, materials, finance, management and operations research and an Industry 4.0 international workshop series
- Fanshawe Corporate Training Solutions offers a [Big Data & Analytics Learning Series](#) to enable data-driven organizations and teams
- Western University and Fanshawe College's programs in data science, data analytics, and business analytics prepare graduates to manipulate and explore data both numerically and visually