

Commission : International Labour Organisation

Question: Training and practicing the professions of 2030

Author: Boston Dynamics

For the last years, new AI tools have been increasingly used in different areas, from analytical and narrow research subjects to more general fields, closer to people's daily lives. Currently more than 50% of companies with more than 5,000 employees are using AI. Therefore, the question in 2030 is not *if* but *how* AI will affect work relationships. AI is about to produce an impact similar to other previous technological breakthroughs: diesel engine, telephone, the Internet/World Wide Web or the app-based smartphone.

When we refer to adopting new technologies at the workplace, we should make the distinction between the functional and human dimensions. The functional dimension refers to technological breakthroughs as tools that humans will learn how to handle in order to increase efficiency and effectiveness, and that will assist humans and even replace them especially for automatized tasks. On the other hand, the use of these new technologies in day-to-day work life will lead to a redefinition of tasks and of the ways of cooperating between people and machines.

A robot is a “machine controlled by a computer that is used to perform jobs automatically”. Thus, the presence of this capability in the workplace would change the character of the workplace and what it means to go to work, while the nature of work will remain the same. Integrating robots in production flows would mean more time and resources for people to devote to innovation.

If robots are charged with automatic tasks, the mental well-being of workers might increase as they would be relieved from repetitive and time-consuming tasks. The tasks human workers would focus on would be more sophisticated, and this could lead to a wage increase and a decrease of pay gap between men and women. The automatic processes carried out by robots could lead to high-quality products achieved in a sustainable way, with minimum waste and environmental negative impact.

For 30 years, Boston Dynamics has been at the forefront of emerging and developing robots and others automatic systems. This allows them to offer high quality and state-of-the-art products at competitive prices. They have experience in setting up networks and systems on new markets and offer onsite training for prospective users and clients. Thanks to continuous research and innovation, their solutions are capable of immediately adapting to fully manual activities. This is why Boston Dynamics is a strong and ideal partner for emerging markets.

In conclusion, the company believes that AI will positively transform the workplace by 2030 by helping humans do tedious tasks, consequently allowing more time for innovative and creative duties, increasing salaries and reduce the wage gap between men and women. As a result, workers' mental health will improve thanks to the coexistence between humans and AI. Environmentally, the use of AI in the workplace will reduce pollution and negative effects since more sustainable and technological products will be created. Boston Dynamics is ready to support the AI revolution in companies on emerging markets.