



# WILL AI REPLACE ME?

## Production Engineer

*Manufacturing*

**?? Although eight criteria, including the complexity and creativity of primary tasks and associated risk levels, indicate this job has significant automation potential, its physical dimension acts as a substantial hurdle to further automation.**

Although AI can play a significant role in optimizing production processes by analyzing real-time data to identify inefficiencies or potential failure points, tasks have physical dimensions that reduce automation opportunities.

Similarly, artificial intelligence can help assess and recommend technological improvements. However, collaboration with other teams and overall production supervision are tasks that require human intervention for decision-making, interpretation, and complex problem-solving.

Automation degree: 9,75%

Job Still Minimally Affected by AI Due to Its Physical Dimension



9,75%

## Main tasks

This section reviews the 3 main tasks associated with the job studied and assesses the potential level of automation induced by AI (« **AI Automation Impact** »). The modeling uses 8 criteria detailed on the « **Methodology** » page.

Tasks	AI Automation Impact
Supervise and optimize production processes to ensure efficiency, quality, and conformity to specifications	Low
Collaborate with maintenance, quality, and logistics teams to ensure production continuity	Significant
Assess and implement technological improvements or process modifications to increase productivity or reduce costs	Low

## Impact on skills

At-risk Skills ↓	
Analyze activity data of a production	Data analysis is already largely automated thanks to AI and Business Intelligence tools. In the near future, this automation will become even more pronounced.
Establish a production report	Report generation can be automated, especially if the data are already collected and analyzed digitally.
Future-proof Skills ↑	
Project Management	While AI can provide data-based insights, the final decision and the design of strategic actions require a human understanding of nuances, company culture, objectives, and long-term implications.
Propose actions to improve the productivity of an activity	While certain aspects of project management can be assisted by digital tools, interpersonal coordination, conflict resolution, and understanding the specific needs of the project require human sensitivity and understanding that AI will find hard to replicate.

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