Global construction industry needs robotic automation solutions to meet demand for safer, sustainable building

In a new ABB Robotics global survey, 91% of construction businesses predict a skills crisis over the next 5-10 years. ABB Robotics will address this gap with cutting-edge automation solutions that enable faster, safer, more affordable and sustainable construction.

Global robot demand

<table>
<thead>
<tr>
<th>Industry</th>
<th>Using Robots</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Construction</td>
<td>55%</td>
</tr>
<tr>
<td>Automotive</td>
<td>84%</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>79%</td>
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</tbody>
</table>

By 2030, ABB predicts a significant change

81% are likely to introduce, or increase their use of robots

Many techniques used in construction haven’t changed for generations, so ABB are developing new solutions to address key industry challenges

- Health & Safety: Employees are 4 times more likely to have a fatal accident at work in the construction industry. Robots enable safer methods of construction.
- Labor and skills shortage: 44% of businesses surveyed struggle to recruit for construction jobs.
- Productivity: 29% of industry members say that productivity is a major driver for adopting automation. Robots increase output, reduce project lead times and allow employees to focus on value-added tasks.
- Innovation: As one of the world’s leading robotics and machine automation suppliers, ABB has shipped more than 500,000 robot solutions.
- Quality: Automation improves quality and consistency, reducing the amount of waste produced.
- Environmental impact: 25% of material transported to a building site leaves as waste, whilst 42% of businesses surveyed consider the environment as one of the future drivers for change.

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