Construction industry needs high-tech automation to solve global job crisis

ABB-sponsored survey reveals that 91% of businesses will face a critical skills shortage over the next 10 years. To solve this, ABB Robotics is at the forefront of a new approach focusing on cutting-edge digital automation.

How can ABB Robotics make a career in construction more attractive?

SAFETY
Construction workers account for 30% of workplace injuries and are 4x more likely to be involved in a fatal accident vs other sectors. Robots can boost safety by handling large and heavy loads and working in unsafe spaces.

MORE INTERESTING JOBS
Using robots for “boring” jobs means automation can make careers in construction more appealing to young people.

DIGITAL GENERATION
Automation suits the experience and imagination of the next generation of engineers.

PREFABRICATION
Turning to robots to produce modular homes can increase production by 15%, and reduce build time by 38% and waste by 30%.

INNOVATION
ABB has helped establish the world’s first laboratory for collaborative robotic digital fabrication in architecture, at ETH Zurich.

3D PRINTING
The largest, large-scale ABB Robotics 3D printing technology has been unveiled to inspire architects.

With so few construction businesses using automation today, there’s huge potential for us to transform the industry through robotics.

Sami Ataya
President of ABB Robotics & Discrete Automation