

## FRIEND OR FOE?

Upskilling can help workers adapt—and thrive—in a future of disruption.



and ATMs), and it won't be the last. But technologies like robotics and artificial intelligence (AI) automate repetitive tasks, not jobs—and that means they ultimately create new opportunities.

This isn't the first time technology has disrupted the workplace (think personal computers

# Automation will actually create more jobs than it replaces.

THE GOOD NEWS

By 2025, automation will create

12 million net-new jobs.<sup>1</sup>



IT'S TIME TO MAKE



## and workers to embrace the idea of

lifelong learning. 50% of all employees will need reskilling by 2025.

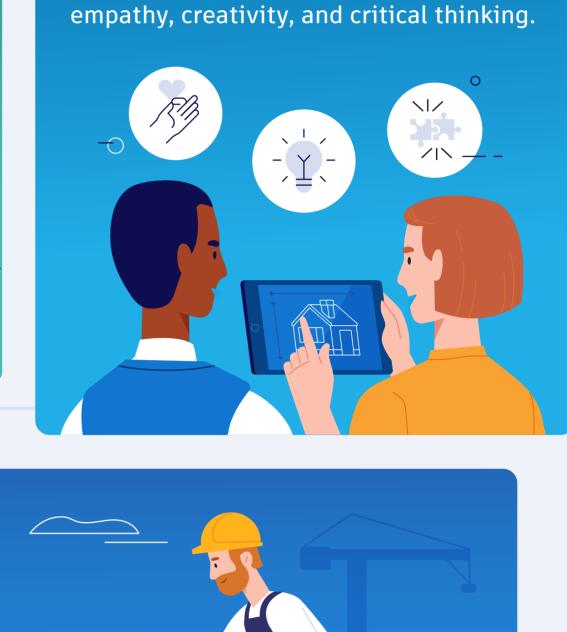
But automation requires both employers

## FRIENDS WITH YOUR ROBOT Because the robots aren't coming—they're already here. And together with automation, AI, and virtual reality (VR), they're changing the nature of work. More jobs will require people to:

**Work on Robots** 



Perform tasks alongside cobots.



**Use Uniquely Human Skills** 

Solve complicated problems using



46% of MFG companies

**Automation & Robotics** 

will rise by 33%.<sup>2</sup>



46% of MFG companies

51%

Americas

"94% of employees say they would stay longer

in a company that invests in their career."

work after a period of nonwork.

-Ben Reuveni, CEO, Gloat, a talent marketplace firm<sup>4</sup>

45% of AEC companies 44% of AEC companies expect automation & robotics to have a major expect AI & VR to have a major impact on impact on their business. their business.

The impact of technology varies by region:

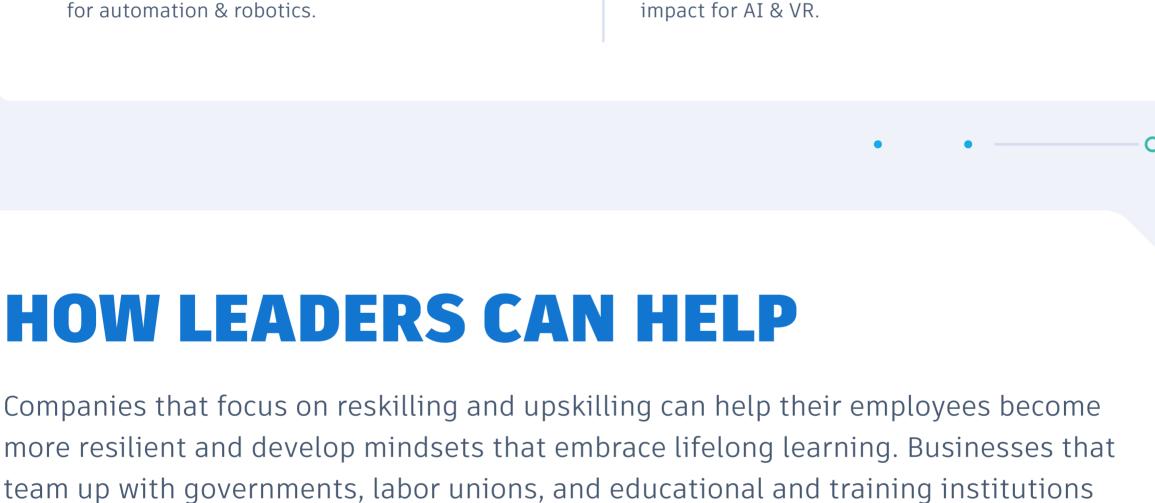
Americas APAC **EMEA** Companies in **APAC** see more potential impact for automation & robotics.

often produce greater results.

57%

41%

44%



45%

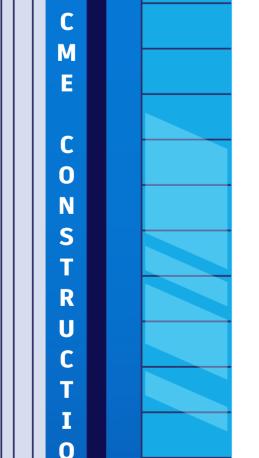
**APAC** 

Companies in the **Americas** see more potential

39%

**EMEA** 

# WHAT CAN COMPANIES DO TODAY? 5,6



100+ countries.7

### Make upskilling a team effort IBM's **SkillsBuild** platform, developed in concert with educational partners, offers career-fit assessments, training, and coaching to workers in 18 countries.8

Support workers throughout their careers

McKinsey & Company's **ReGeneration** initiative supports

been displaced due to automation or are returning to

Offer new modes of training and certification

of all ages pool credits that they've earned from various

Improve visibility for jobs and career paths

**Unilever**'s FLEX Experiences talent marketplace uses AI

to match jobs with employees based on their profile in

sources and count them toward one degree.

South Korea's **Academic Credit Bank System** lets students

midcareer workers in the US, Singapore, and Spain who've

# **TOP SKILLS FOR AN**

## **AUTOMATED FUTURE** In 10 years, 40%-60% of available jobs will be for roles that don't yet exist.9 The types of skills needed in a fast-changing job market include: 10, 11, 12









Redshift

# 1 These Are the Top 10 Job Skills of Tomorrow—and How Long It Takes to Learn Them, World Economic Forum, October 2020

- Building the Vital Skills for the Future of Work in Operations, McKinsey, August 2020 Executive Insights Research by Business Advantage Group, commissioned by Autodesk, 2021 The Future of Work Is Now: Is APAC Ready?, Deloitte, February 2021 The Future of Work Is Now: Is APAC Ready?, Deloitte, February 2021
- These Are the Top 10 Job Skills of Tomorrow—and How Long It Takes to Learn Them, World Economic Forum, October 2020 "Blue Collar" to "New Collar"—The Future Workforce of Manufacturing, MAU Workforce Solutions, April 2021
- Reskilling, Upskilling, and Workplace Learning for Industry 4.0, CGS, September 2020 9 21 Jobs of the Future: A Guide to Getting-and Staying-Employed for the Next 10 Years, Cognizant, 2019

Supporting Worker Success in the Age of Automation, Deloitte, June 2019

An Exciting New Normal for Flexible Working, Unilever, June 2020

IBM SkillsBuild website