## AUTOMATION -

THE OUTLOOK FOR MANUFACTURING JOBS AND AUTOMATION IN SEVEN CHARTS



Advances in artificial intelligence and remote communication will arguably impact manufacturing more than any other sector, given that half of all roles within the industry involve manual and routine work. And yet, despite a large portion of jobs being at high risk of automation, job losses may not be as severe as feared as manufacturers upskill workers to adapt for a new technological future



AUTOMATION'S IMPACT ON THE JOBS MARKET WILL START TO BE FELT FROM THE MID-2020S

Share of jobs with a high potential of automation

Manufacturing Wholesale and retail trade Transportation and storage



UPSKILLING NEEDED AS ROUTINE AND MANUAL JOBS MAKE UP HALF OF WORKFORCE

Composition of current skills needed for







PwC/OECD 2018

251+

Make UK 2018



**OVER-RELIANCES ON MANUAL** WORK MEAN AUTOMATION IMPACT **IS WORSE IN SOME REGIONS** 

Percentage of manufacturing jobs with a high potential of automation



Economist Intelligence Unit/IMB/IAB/IRF/SSA/McKinsey 2017





## LOWER EDUCATED HARDEST HIT AS MANUAL TASKS PHASED OUT

Share of jobs with a high potential of automation by education level

Low education (GCSE or lower)

Medium education
High education (graduates)



Number of installed industrial robots per 10,000 manufacturing employees, selected countries



## RACONTEUR