







RGUMENT

THE DIGITAL REVOLUTION

WORKERS WILL

CASE STUDY: THE SKILLS GAP

THE OPPORTUNITY GAP

FILLING THE GAP

RURAL AREAS HIT HARDEST HOW BUSINESSES CAN SUPPORT

WASHINGTON'S ROLE

THE ARGUMENT

- Technological innovations including automation, machine learning, and access to remote work are displacing certain jobs but creating others. Trends toward automated work were already in motion before COVID-19, but the pandemic accelerated them and is likely to permanently reduce demand for traditionally "low-skill" occupations.
- Tomorrow's jobs will demand more complex skills, geared toward digital tasks and continuous learning, and they will pay better. The bad news is that employers are struggling to fill open positions, despite a pandemicinduced elevation in unemployment. The majority of business leaders cite a "skills gap" as the leading barrier.

- But the skills gap is also an "opportunity gap." There are millions of Americans who could succeed in better-paying jobs but are overlooked because they exist outside traditional talent pools. Closing both gaps would fix our labor market, raise families into the middle class, and drive economic growth.
- If we don't, job displacement will increase inequality and hit rural areas hardest. A collaborative approach across government, business, and educational organizations is the only way to ensure we train our workforce to deliver the skills employers actually need, and give all Americans an equal opportunity to develop them.



THE QUESTION

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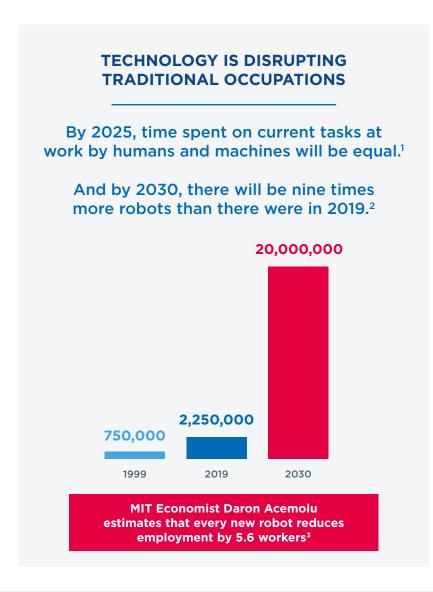
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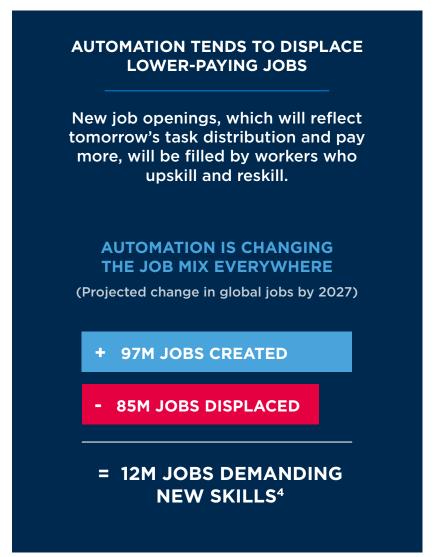
RURAL AREAS HIT HARDEST HOW BUSINESSES CAN SUPPORT

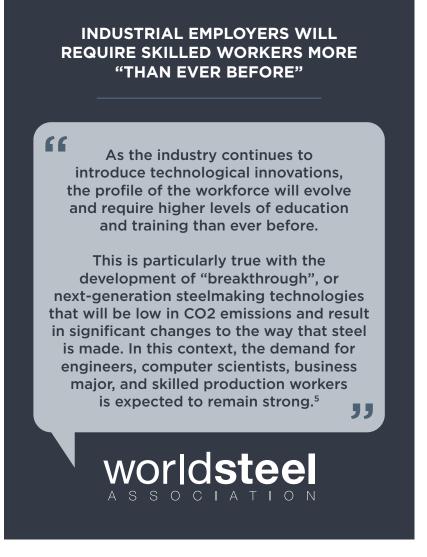
WASHINGTON ROLE

THE DIGITAL REVOLUTION IS CHANGING WORKPLACES

Automation creates and destroys jobs simultaneously, changing the job mix as it goes.









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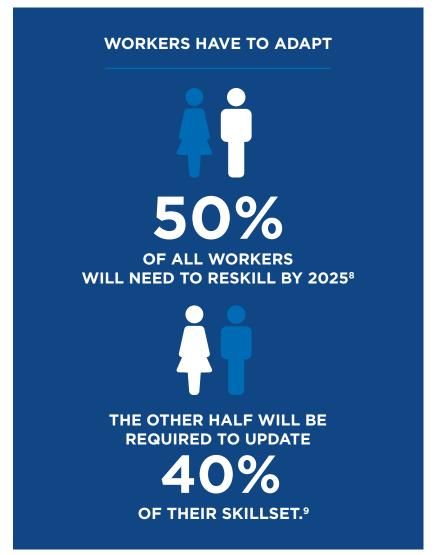
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TOMORROW'S TASK DISTRIBUTION WILL REQUIRE DIFFERENT SKILLS

Trends toward smart factories and digital work were already in motion before COVID-19, but the pandemic accelerated them.

JOB REQUIREMENTS ARE CHANGING 70% **OF BUSINESS LEADERS** indicate there will be significant shifts in the skills required in their workplaces this decade.6 **PERCENT OF BUSINESS LEADERS** WHO EXPECT EMPLOYEES TO LEARN **NEW SKILLS ON THE JOB**⁷ 65% 94% 2018 2020







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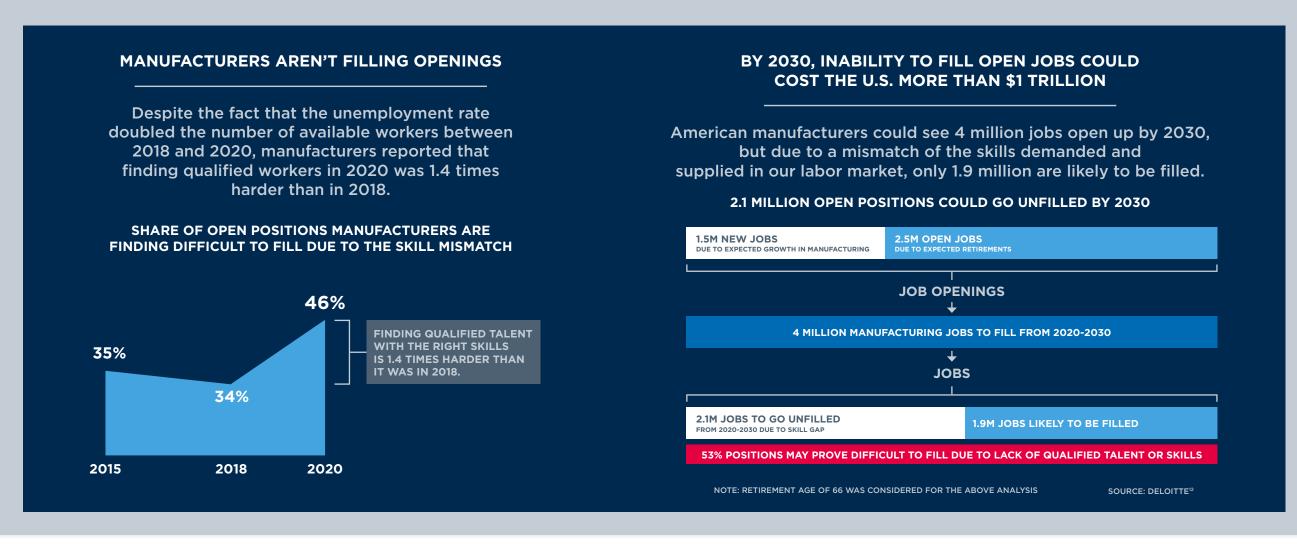
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CASE STUDY (1/3): MANUFACTURING JOBS ARE CHANGING FASTER THAN OUR WORKFORCE, CREATING A "SKILLS GAP"

More than two-thirds of manufacturers believe there is a "skills gap" in their industry — and they are not alone: 55% of respondents across sectors identify a skills gap in the labor market as the leading barrier to their company's adoption of new technologies.¹¹





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(2/3): THE SKILLS GAP IS ALSO AN "OPPORTUNITY GAP"

Opportunity@Work is a nonprofit organization that focuses on fixing the inefficiencies in today's labor market. The CEO and co-founder, Byron Auguste, joined Business Forward in April for a discussion about skills, the opportunity gap, and the future of work — click here to listen.

TRADITIONAL RECRUITMENT EXCLUDES MILLIONS OF WORKERS

In response to growing concerns about a "skills gap" in the labor market,
Opportunity@Work has identified a different but related issue: the "opportunity gap," which
refers to the range of social and economic factors that lead to employers screening
potential applicants out of their hiring processes.

Opportunity@Work cites the opportunity gap as primarily responsible for the mismatch between skills demanded by employers and those offered by labor force participants.¹³



TALENTED WORKERS ARE BEING OVERLOOKED

More than half of U.S. workers don't have a four-year college degree, yet employers still make it a prerequisite to be considered for most jobs paying a middle-class wage.

60%

OF U.S. WORKERS DON'T HAVE A FOUR-YEAR COLLEGE DEGREE

74%

OF NEW JOBS TYPICALLY REQUIRE A FOUR-YEAR COLLEGE DEGREE

26%

OF NEW JOBS ARE AVAILABLE TO 60% OF THE WORKFORCE 14



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(3/3): WE CAN FIX OUR LABOR MARKET BY CLOSING BOTH GAPS

CLOSING THE OPPORTUNITY GAP WOULD PROMOTE EQUITY AND LIFT FAMILIES INTO THE MIDDLE CLASS

Opportunity@Work has a label for the talented Americans who have acquired skills through pathways other than a four-year degree, STARs (Skilled Through Alternative Routes). There are 71 million of them in the workforce.

STARs all have the necessary skills to succeed in work more highly-valued than the work they do now. By hiring outside traditional talent pools, employers can move these talented, overlooked workers into better-paying, mid-level jobs.

71 MILLION TALENTED WORKERS ARE BEING OVERLOOKED¹⁵

HS = GRADUATED HIGH SCHOOL

BA = BACHELOR'S DEGREE





CLOSING THE SKILLS GAP WOULD FILL OPEN POSITIONS AND DRIVE PRODUCTIVITY

By encouraging more — and better — training programs and community college opportunities, we can make sure our workforce is prepared to fill thousands of mid-level job openings over the next decade.

MANUFACTURERS EXPECTED TO STRUGGLE FILLING MIDDLE-SKILL ROLES

MIDDLE-SKILL OCCUPATIONS WITH THE HIGHEST PROJECTED JOB OPENINGS (2019-2029)16



These positions are concentrated in rural areas, where automation and population declines are stressing labor markets. Filling middle-skill, manufacturing roles is critical to supporting those local economies.



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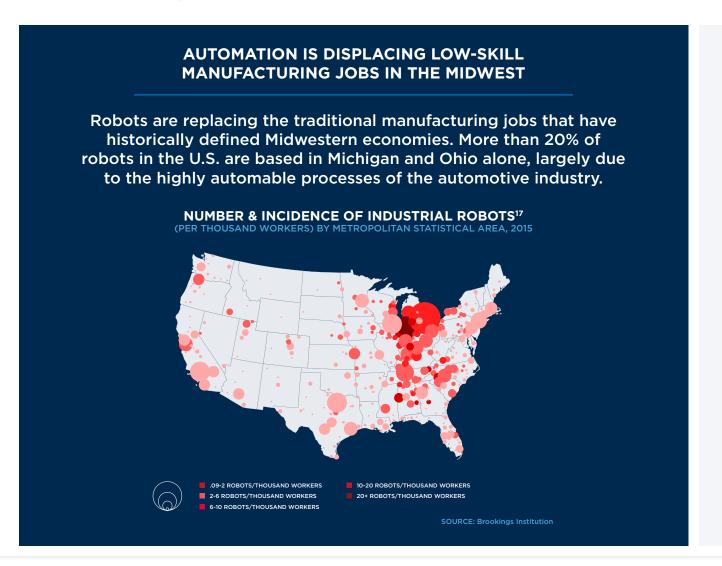
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WITHOUT ACTION, JOB DISPLACEMENT WILL CONTINUE HITTING RURAL AREAS THE HARDEST

Automation can be good for cities but bad for rural areas, where the concentration of automatable jobs tends to be higher.



BUT BETTER-PAYING JOBS WILL OPEN UP, AND QUALIFIED WORKERS ARE THERE

Despite the rate at which traditional manufacturing jobs are being displaced, Midwestern states will be home to many of the 2.1 million new, skilled manufacturing jobs expected to open up over the next decade.

These same states are already home to a disproportionately high number of STARs (many of whom are experienced manufacturing workers) and are well-positioned to fill the higher-value jobs of the future.

CONCENTRATION OF MANUFACTURING JOBS (PER MILLION RESIDENTS)¹⁸



#1 WISCONSIN: 83.4 #2 INDIANA: 79.8 #3 IOWA: 71.5 #4 MICHIGAN: 62.1 #5 OHIO: 59.7

#6 MINNESOTA: 57.5

U.S. AVERAGE: 38.7



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BUSINESSES CAN AND SHOULD PROVIDE SUPPORT

INVESTING IN WORKFORCE DEVELOPMENT IS GOOD FOR EMPLOYERS

In a well-functioning labor market, employers can hire from a talented pool of workers who already have applicable skills and are well-positioned to learn new ones.



EMPLOY A TALENTED WORKFORCE



GROW STAFF AND PROMOTE SKILLED EMPLOYEES



IDENTIFY AND SUPPORT LEADERS



CONTINUOUSLY ADAPT



PRODUCE BETTER PRODUCTS

CASE STUDY: SUNRUN LAUNCHES INNOVATIVE EDUCATION PROGRAM TO UPSKILL AMERICA'S WORKFORCE FOR GREEN CAREERS

August 25, 2021 — One of the country's leading solar, battery storage, and energy services provider launched PowerU, a fully-funded employee education and upskilling program designed to train and develop the clean energy workforce. Sunrun partnered with Guild Education, a private company that helps businesses offer educational programs.¹⁹

SUNTUN

GUILD

POWERU PROGRAMS

- BACHELOR'S AND MASTER'S DEGREES in sustainability management, electrical engineering, and information technology
- PROFESSIONAL DEVELOPMENT AND GRADUATE CERTIFICATES in sales leadership, solar installation, and supply chain management
- ENGLISH LANGUAGE CLASSES
- HIGH SCHOOL COMPLETION COURSES
- AN EMPLOYER-SPONSORED
 ELECTRICIAN APPRENTICESHIP PROGRAM



MORE THAN 900,000 SKILLED WORKERS

WILL BE NEEDED TO REACH PRESIDENT JOE BIDEN'S 2035 CLEAN ENERGY TARGET.



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WASHINGTON HAS A ROLE TO PLAY

HOW THE BIDEN HARRIS ADMINISTRATION IS PRIORITIZING WORKFORCE DEVELOPMENT

PRESIDENT BIDEN'S BUILD BACK BETTER FRAMEWORK

\$130 BILLION

for workforce development, job training, and access to higher education, all focused on equity to ensure quality jobs are accessible for underserved communities.²⁰

U.S. DEPARTMENT OF COMMERCE'S ECONOMIC DEVELOPMENT ADMINISTRATION

\$500 MILLION "JOBS CHALLENGE"

invests in regional workforce training programs and sector-based partnerships to help unemployed workers build skills and connect to quality job opportunities.²¹

Workforce development is a top priority...We are working in partnership with businesses and educational organizations, because working collaboratively is the only way we can ensure that workers are trained in skillsets that businesses actually need and that position America's economy to lead on the global stage... We are working with state and local governments, community colleges, industry associations, and labor unions to get people reskilled and upskilled.

- DON GRAVES
DEPUTY SECRETARY,
U.S. DEPARTMENT OF COMMERCE

CLICK HERE TO LISTEN TO THE
BUSINESS FORWARD BRIEFING WITH
DEPUTY SECRETARY GRAVES

GOOD GOVERNMENT ON THE FUTURE OF WORK STARTS WITH K-12 EDUCATION

By focusing on research-based initiatives in education, Congress can promote equitable opportunities for students and improve pathways for workers.

Making investments in innovative practices and closing the opportunity gap at the K-12 level would have positive, long-term effects on the efficiency of our labor market — and create an economic advantage down the road.





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