



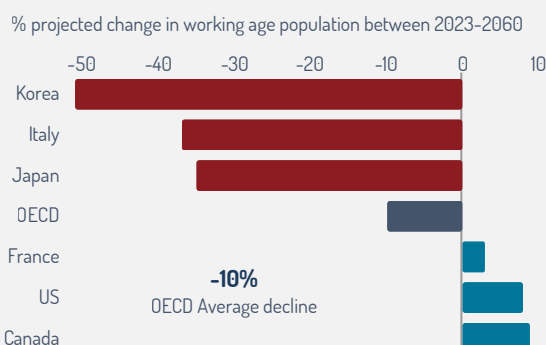
THE IMPACT OF ROBOTS

Employment, Productivity and Competitiveness

WHY ORGANIZATIONS AUTOMATE

- DEMOGRAPHIC CHANGE**
- LABOR SHORTAGES**
- GLOBAL COMPETITION**
- SUPPLY CHAIN RESILIENCE**
- PRODUCTIVITY & QUALITY**

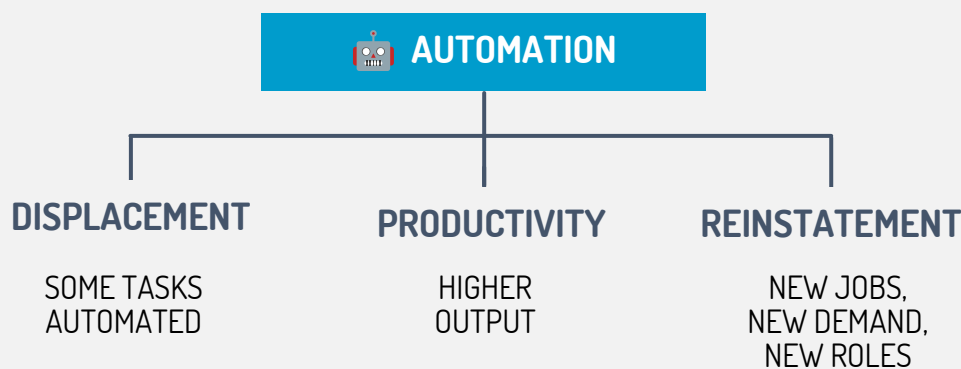
DECLINING WORKING POPULATION



KEY FINDINGS

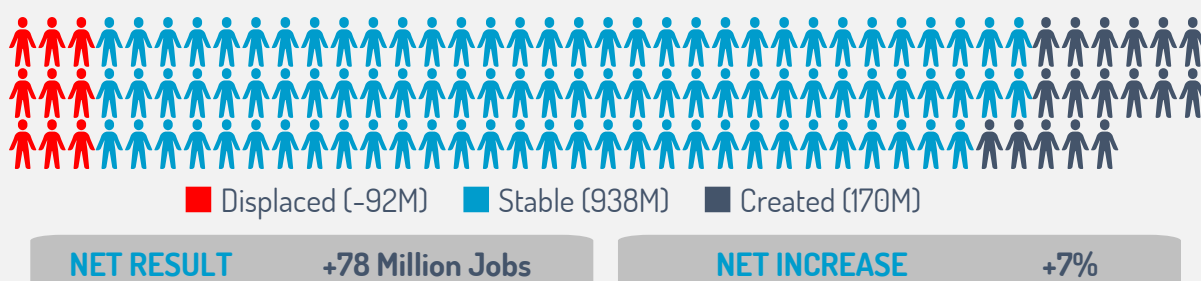
- 01** AUTOMATION CREATES JOBS THROUGH PRODUCTIVITY GROWTH
- 02** ROBOTS SUBSTITUTE TASKS, NOT ENTIRE OCCUPATIONS
- 03** SKILLED LABOR IS THE KEY TO CAPTURING THE BENEFITS
- 04** ROBOTS STRENGTHEN COMPETITIVENESS
- 05** ROBOTS HELP CLOSE LABOR GAPS
- 06** ROBOTIZATION ENHANCES NATIONAL COMPETITIVENESS
- 07** ROBOTS HAVE A POSITIVE IMPACT ON WAGES
- 08** AI AND ROBOTICS ARE LEADING TRANSFORMATION
- 09** AUTOMATION HELPS COUNTER DEMOGRAPHIC CHANGE
- 10** A NATIONAL ROBOTICS STRATEGY IS ESSENTIAL

THE AUTOMATION EQUATION



THE NET IMPACT OF ROBOTS DEPENDS ON THE INTERACTION OF THESE THREE EFFECTS.

GLOBAL EMPLOYMENT CHANGE BY 2030



PRODUCTIVITY CREATES GROWTH



ROBOTS + HUMANS

ROUTINE

Robots excel at

- Repetitive tasks
- Precision work
- Heavy Lifting
- Hazardous environments
- 24/7 operations

COMPLEX

Humans excel at

- Problem-solving
- Creativity
- Adaptability
- Communication
- Judgement

NATIONAL COMPETITIVENESS

COMPETITIVENESS AND PROSPERITY

SKILLS

INNOVATION

UPTAKE

FOUNDATION: PUBLIC-PRIVATE COLLABORATION

OUTLOOK

The Future of Work

- AI + Robotics
- Mobile Manipulators
- Human-Robot Collaboration
- Continuous Upskilling
- Sustainable Productivity Growth

FULL POSITION
PAPER



CASE STUDIES &
SUCCESS STORIES

