



# Hvordan bygge fremtidens arbeidsstyrke i en verden som blir mer digitalisert

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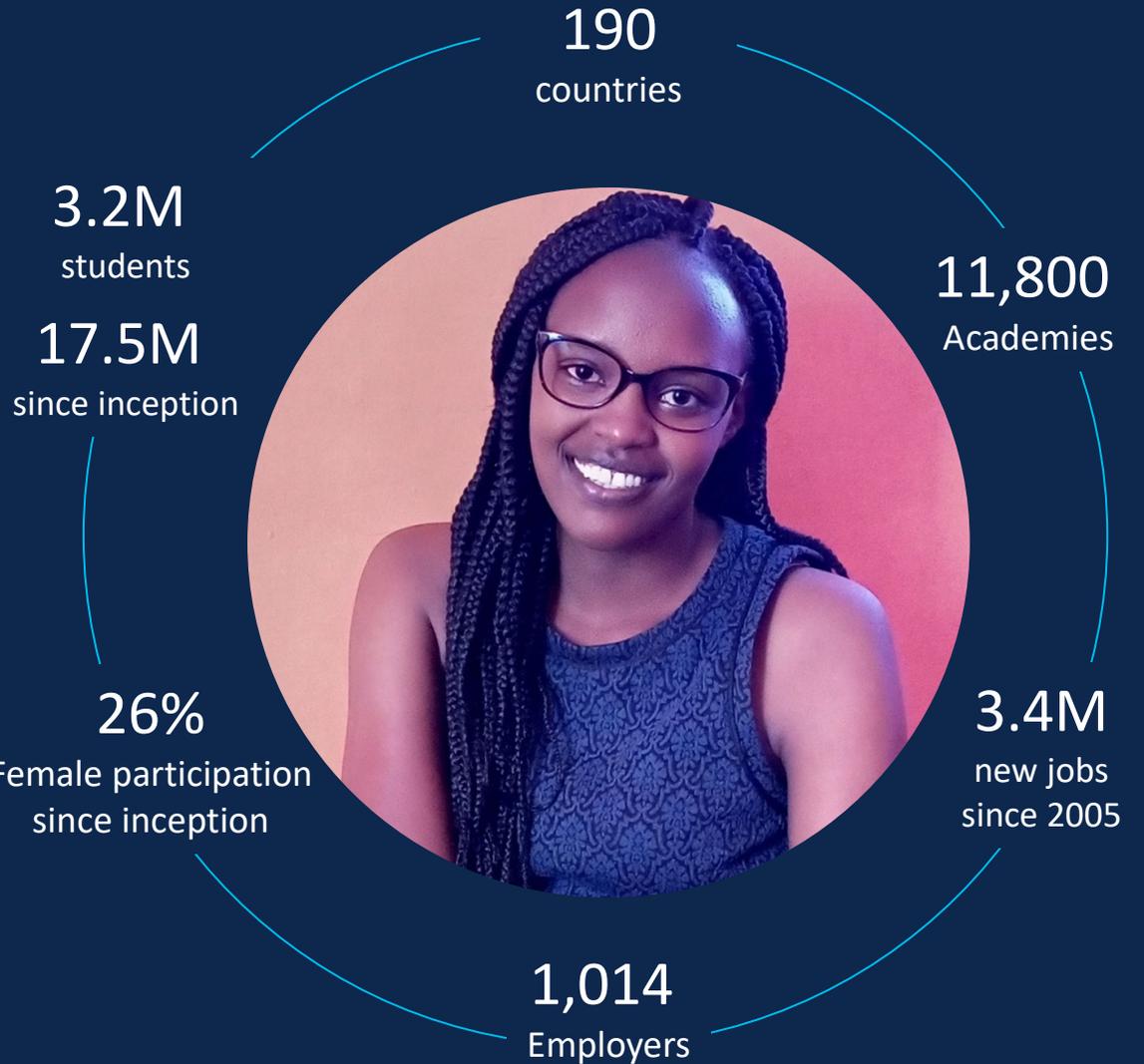


Networking Academy

# Cisco Networking Academy

95%

of students completing certification-aligned courses attribute their participation in Networking Academy to obtaining a job and/or education opportunity



Agnes | Kenya

Cisco Networking Academy student

## Coming soon: Vertical specialisation for OT – Operational Technology – “Networking Academy for OT”



### Networking

Gain hands-on, relevant networking skills



### Programmable Infrastructure

Learn programming, infrastructure automation, and Internet of Things



### Cybersecurity

Learn to secure and defend networks



### Operating Systems and IT

Essential skills for the digital world



### Programming

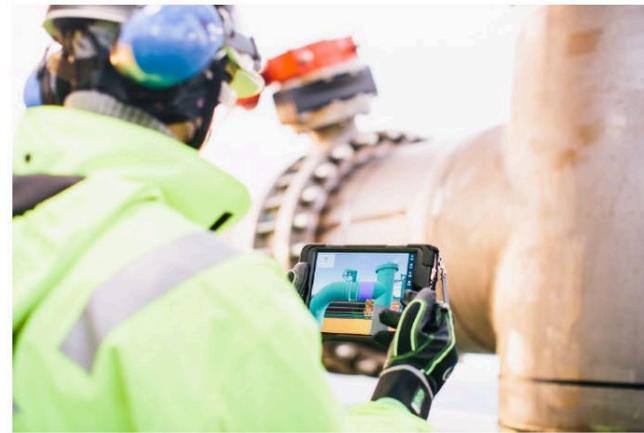
Learn to code in languages like Python, C, or C++



### Practice

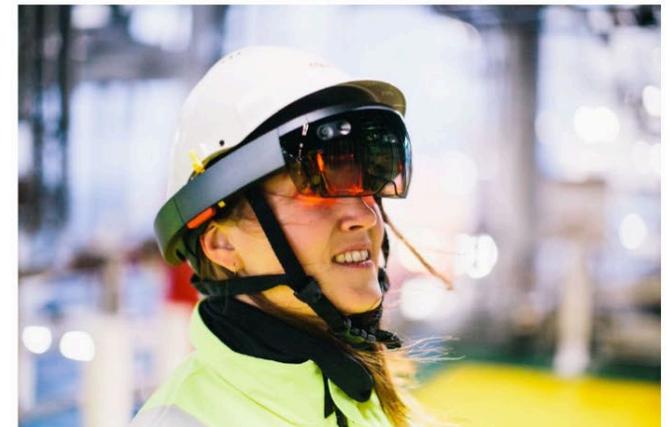
Interactive tools and experiences build real skills, not just knowledge

# En rapport som setter fingeren på kompetanseutfordring ved digitalisering av OT



## Digitalisering, HMS og partssamarbeid

En oppfølging av anbefalingene i St. Mld. 12 (2017-2018) om  
HMS i norsk petroleumsvirksomhet



15.09.2022

By 2025, automation and a new division of labor  
between humans and machines will disrupt

# 85 million jobs

globally in medium and large businesses across 15  
industries and 26 economies.

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# 97 million new jobs

will be created by 2025 due to AI.

SOURCE: [Future of Jobs Report](#), World Economic Forum

# Global OT Job Demand

What is driving the need for OT expertise?

## A Breaking down silos

While previously siloed, OT security is now being integrated with IT and other governance, monitoring, and reporting processes. (Gartner, 2022)

## B Driver: Automation

More automation in production environments blurs the line separating Engineering from IT. OT (Operational Technology) bridges this space and requires both a new mindset and skillset (Brunel).

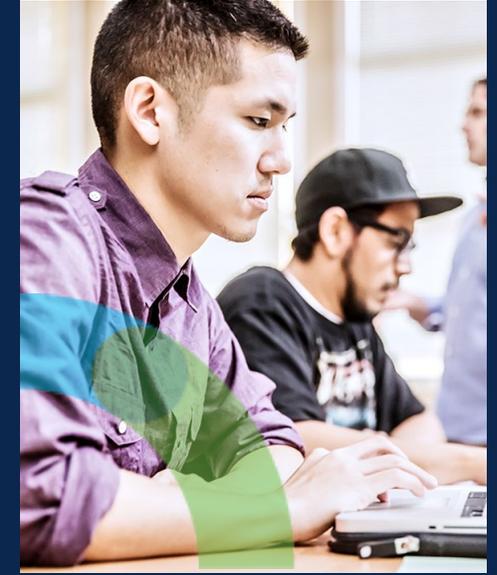
## C Upskill for Automation

While many (50%) jobs will change over the next decade due to automation, only 5% will be eliminated.

Most changes to jobs and job duties will require current workers to **upskill** in order to collaborate with new technologies.

## D Expertise in Demand

As the OT landscape becomes more complex, there is increasing demand, especially for expertise in the areas of “OT management, governance, infrastructure and security.



# Ny kompetanse & sertifiseringer i en digitalisert verden for å møte morgendagen

## Forslag:

1. Nye kompetansekrav til alle leverandører som leverer digital infrastruktur i prosjekter.
2. Alle som reiser offshore får kursing for å øke forståelse av digitaliserte infrastrukturer.
3. Resertifiseringer annet hvert år slik at kompetanse holdes oppdatert.



The bridge to possible