



International  
Labour  
Organization

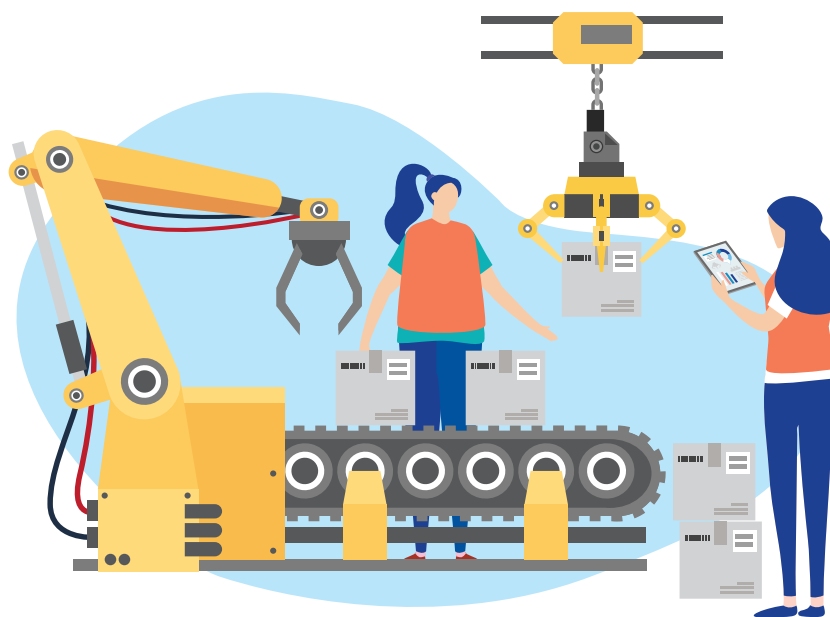
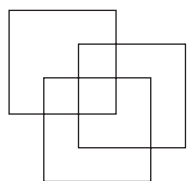


# Women in STEM workforce readiness and development programme in Thailand







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The programme seeks to provide women with critical soft and technical STEM-related skills to help women gain quality employment and support career advancement of women in the Electrical and Electronics sector in Thailand.



## Programme at a glance

 <b>Donor</b>	J.P. Morgan Chase Foundation
 <b>Duration</b>	September 2017 - December 2020
 <b>Partners</b>	Sectoral business associations, private sector firms, TVET institutions, social partners and relevant public ministries and agencies.
 <b>Development objectives</b>	(1) Strengthen retention and advancement of female workers in STEM sectors and with this mitigate their risk of being displaced by automation. (2) Increase labour productivity and with this improve living standards of women.
 <b>Country</b>	Thailand
 <b>Sector focus</b>	Electrical & Electronics (E&E)

## Programme background

Over the next decade, technological advances including automation and robotics, will significantly change jobs and enterprises in Thailand. The ILO estimates that 44% of employment (over 17 million jobs) face a risk of automation in Thailand. Female are employed predominantly in jobs requiring low STEM skills, which are clearly at risk of automation. Women are 50% more likely than men to losing their job as a consequence of automation.

To address these issues, and considering the national economic and social development priorities, the ILO identified the electrical and electronics sector as high-growth in Thailand, presenting significant projected STEM-related skills gaps and opportunities for growth for women over the next decade. Female employment in the industry is currently concentrated in low-skilled occupations -85% of total female labour are relatively unskilled-. To change this, the ILO programme aims to improve women acquisition and adoption of critical soft and technical STEM-related skills for the industry and, in this way, contribute to reduce the skills mismatches that are affecting workers' productivity and enterprises' competitiveness in this rapidly changing context.



Productivity is a key source of improved living standards for women and also a major contributor to economic growth. Therefore, to improve productivity and prevent women from losing their jobs as a consequence of automation, the ILO programme seeks to strengthen linkages between private sector firms, social partner institutions and vocational training centres to ensure greater opportunity through higher entry, retention and advancement of women workers in STEM-related occupations.



## Target beneficiaries

The Women in STEM Programme aims to empower, connect and support career development of two groups of women in target sectors:

- 1 Low-skilled women working in entry level STEM-related jobs.
- 2 Mid-level skilled women working in STEM-related occupations.

## Main activities



### 1. Skills gap identification

Consultation with sectoral business associations, private sector firms and social partners to identify and prioritize industry specific skills and occupational needs and with this develop action plans for skills development in the electrical and electronics sector. The design of a training plan and subsequent curricula seeks to be demand-oriented and include industry-specific STEM-related skills development and employability plans for women.



### 2. Skills upgrading

Upskilling and broadening critical soft and technical STEM-related skills, targeting two categories of women, which each category being offered a different type of training:

- (a) Skills upgrading for those who are already in employment but in low-skilled jobs with limited mobility to expand their career prospects;
- (b) High-end technical skills, or leadership and managerial training for those who are already in supervisory or mid-skilled positions;



### 3. In-company developing and mentoring

A programme of company-level peer support and mentorship organized by and within participating firms. The in-company development and mentoring seeks to strengthen retention and advancement of women workers through a comprehensive workplace-based learning programme to boost critical soft skills. Participating firms will benefit from an innovative learning approach designed by the ILO to deliver soft skills training, leveraging peer learning networks to support development, growth, and enhancement of enterprises.

The ILO *In Business* training methodology offers private sector firms a suite of training modules that apply activity-based and peer learning designed to empower female employees and connect them with role models and mentors. Topics for soft skills modules include: Vision setting and professional development, Creative thinking, Problem solving, Teamwork, Reaching consensus, Interpersonal communication, Public speaking, Critical thinking and reasoning, Time management and self-organization, Starting to manage, Leadership, Personal awareness, Working across cultures and Managing upwards.

## Expected outcomes

- ✓ Successfully transition women in low-skilled jobs to quality STEM-related employment with sustainable career and livelihood prospects;
- ✓ Successfully transition mid-skilled women in STEM fields into leadership and management positions to ensure women not only enter, but also stay and get promoted in STEM fields;





**“Jobs are not decent by definition,  
They are decent by design”**

Guy Ryder, ILO Director-General

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