



**Industrial Automation Academy**  
Go Exploring for Innovation





**OMRON Always Believes in  
Your Potential First and Foremost**



## Development of Present and Future Technical Personnel within Manufacturing

We support the development of technical personnel and careers in the manufacturing industry as we strive towards the realization of manufacturing that empowers each and every individual.

The manufacturing world faces transformative changes, with pressing issues overflowing in the field today. One question stands out: What is essential for sustainable manufacturing? The answer is clear — innovation springs from our people, a conviction solidified through our continuous customer dialogue.

Amid the growing importance of ESG management, the value of human capital is soaring. The disclosure of human capital information and demonstration of human resource development efforts are becoming imperative to enhance corporate value. Meanwhile, many companies face common issues in advancing human resource development: identifying and systematizing the necessary knowledge and skills, establishing continuous training systems across domestic and international sites, and adapting flexibly to changes with time.

In April 2023, we launched the Industrial Automation Academy (IA Academy) to meet these needs head-on. The IA Academy is a solution service to enhance the competencies and careers of those in manufacturing. Merging our robust in-house technologies and field expertise with our global presence, we offer a systematic IA education curriculum, providing comprehensive training solutions right at our customers' doorstep.

We believe developing technical personnel is not just for speeding up the evolution of manufacturing but enriching our lives globally. The IA Academy's journey commences now, always in partnership with our valued customers.

### Thoughts Behind Our Brand Mark



## Industrial Automation Academy

**Go Exploring for Innovation**



#### Gear and Crown

By envisioning a gear, a symbol of manufacturing, as a crown, we represent each individual's potential to shine.



#### Book and Door

By likening a book, emblematic of learning, to a door being opened, we convey the idea of drawing out each individual's potential and leading them towards the threshold of a new future.



#### Service Name Initials

The initials of our service name, IA Academy, are placed to express our identity.

#### Tagline

"Go Exploring for Innovation" encapsulates our desire to embark on a journey of knowledge and discovery towards the creation of innovation together.



# A One-Stop Solution to Support Development of Technical Personnel and Careers in Manufacturing

The IA Academy transforms OMRON's technical, local, and training capabilities into value, offering comprehensive support from the planning and design of the optimal IA training system to practical training.

## Framework

### Assets and Experience to Create the Optimal IA Training System



#### Technical Capability in Resolving Individual On-site Issues

We possess over 200,000 control devices, including sensors and other input devices, controllers, motion drives, robots, and safety equipment. Moreover, we have experience and achievements of implementing control applications designed for individual customer objectives and scenarios.



#### Training Capability Forged in Our Own Factories for Over 90 Years

For many years, we have practiced human resource development in manufacturing with the same approach as our customers. As proof of this, we offer over 1,000 courses globally, developing know-how and achievement by continuously engaging in dialogue with customers and responding with individual solutions.

## Structure

### Specialist Teams that Connect Countries and Regions on Behalf of Our Customers



#### Coordinators Attuned to Our Customers

Together with our customers, we unravel issues and desired vision to propose the most optimal human resource development solutions. We work in coordination with local IA curriculum planners and instructors well-versed in on-site issues to advance steps to solve issues.

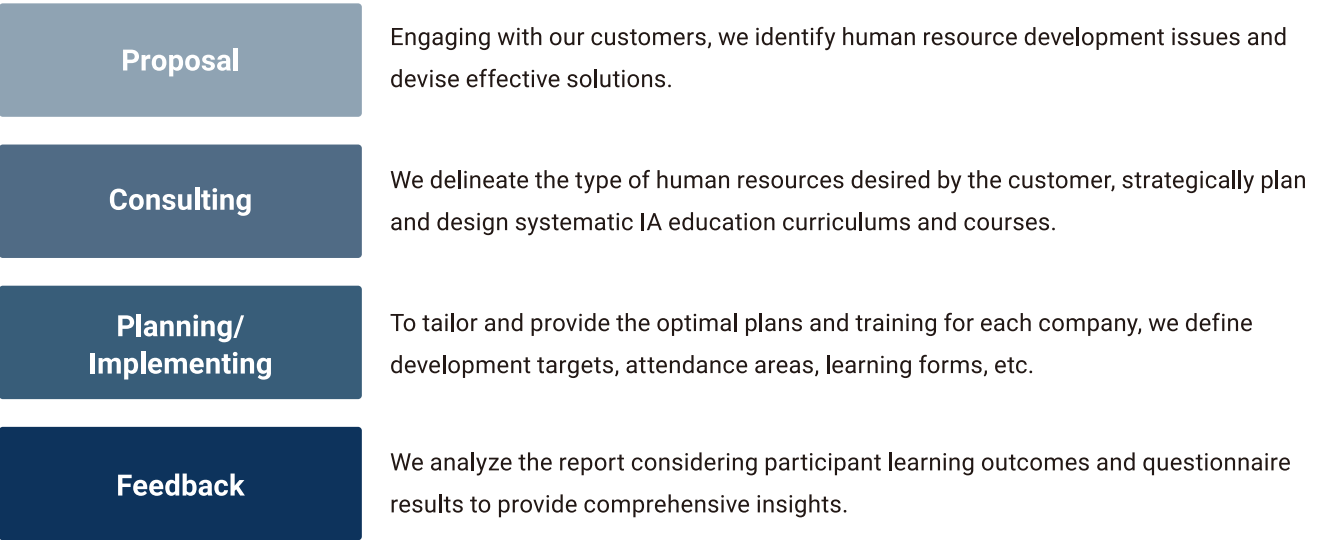
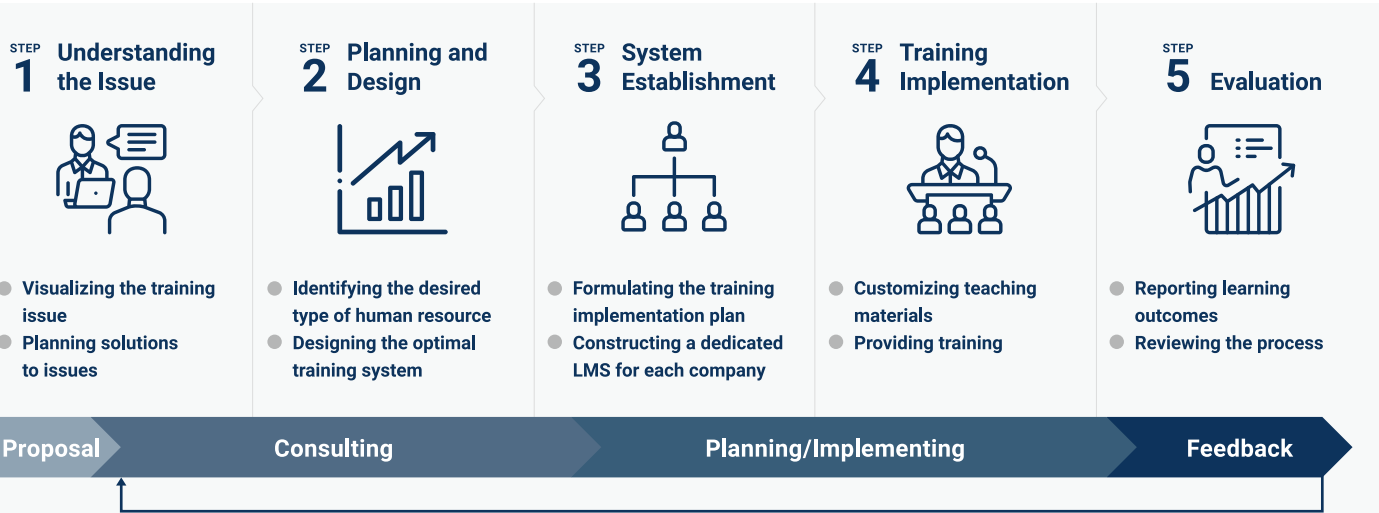


#### Total Organizers Connecting the World

To meet training needs across multiple countries and regions, we organically connect local coordinators to play a hub-like role. We offer total support for the learning needs of customers expanding their business globally.

## Process

### Steps to Solve Human Resource Development Issues



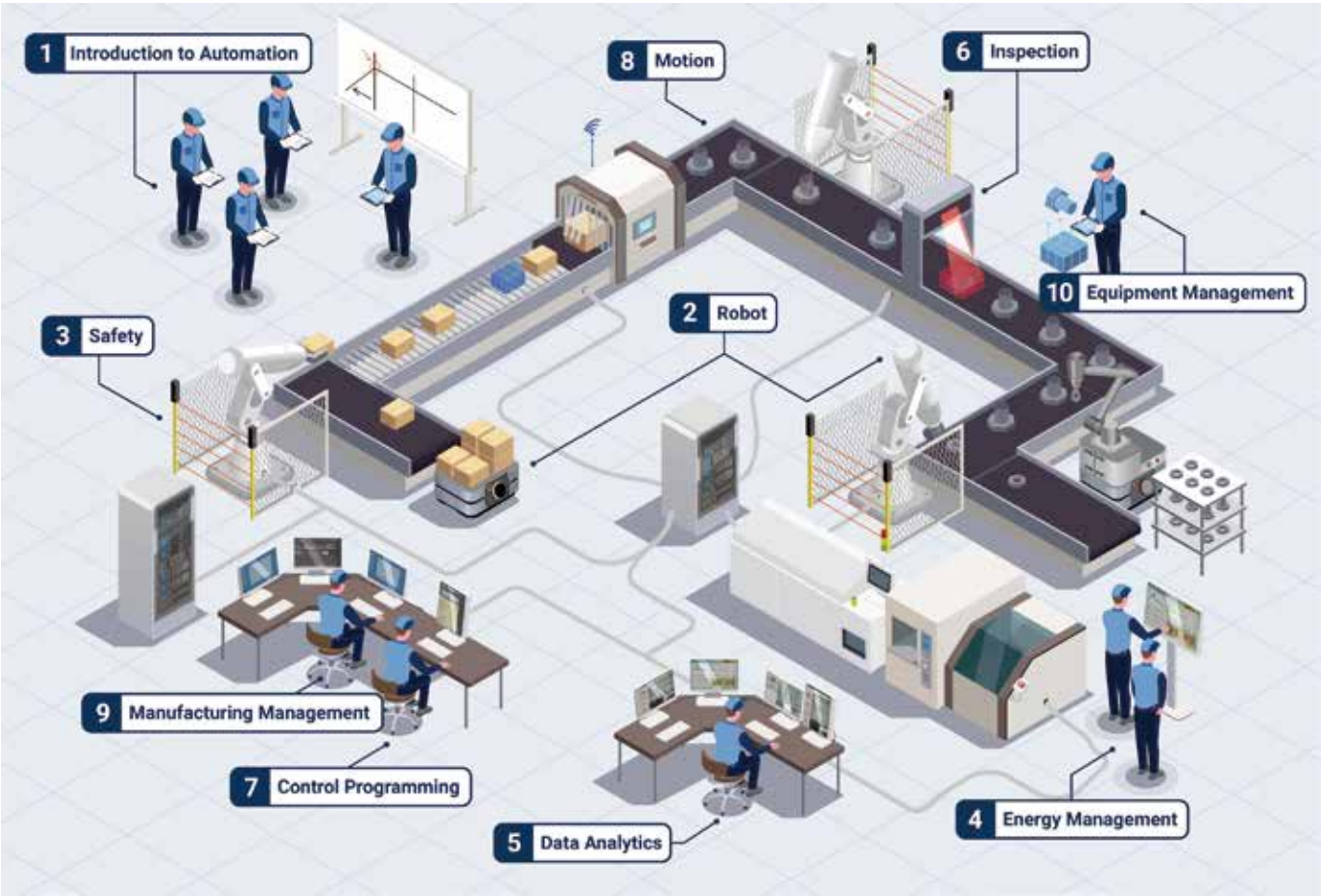
# Focused Engineer Programs for Individuals and Career

The IA Academy offers a comprehensive suite of engineer programs aimed at everyone involved in manufacturing, for These programs support continuous learning and growth.

# Stages in the Manufacturing Field

the acquisition from knowledge of introduction to automation, to specialized technical skills.

## Essential Knowledge and Skills Required in the Manufacturing Field



## Common Learning as a Career Foundation

### 1 Introduction to Automation



To acquire basic knowledge in electricity and production, common to the manufacturing field, as well as the basics of control equipment that comprise manufacturing apparatus. This supports new employees and those new to manufacturing in quickly becoming active in the field, as well as aiding in stepping up through reskilling.

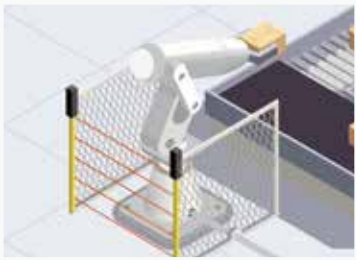
**Introduction to**  
Electricity / Production / Occupation Safety / Control / Machine Safety / Control Equipment / Sensing / Sequence Control and more

## Learning Tailored to Career Stages



### 2 Robot Engineer Program

To acquire the basic knowledge of types, characteristics, and applications of robots used in the manufacturing field, and technical skills, such as operation, setting and programming of robots. The goal is to develop human resources capable of implementing and managing robot-assisted transportation and assembly devices.



### 3 Safety Engineer Program

To acquire the basic knowledge of safety standards applied to the manufacturing field, and technical skills, such as the principles, operation and setting of safety devices. The goal is to develop human resources capable of conducting risk assessments under the guidance of safety assessors, and promoting the creation of a safe work environment.



### 4 Energy Management Engineer Program

To acquire the basic knowledge of carbon neutrality and environmental regulations in manufacturing, and technical skills, such as the principles, operation and setting of condition monitoring devices. The goal is to develop human resources capable of improving energy productivity through learning methods of energy visualization and studying examples of reduction efforts.



### 5 Data Analytics Engineer Program

To acquire the basic knowledge required for data utilization in the manufacturing field, and analytical skills, such as data collection, storage, statistics, and analysis. The goal is to develop human resources capable of identifying present issues based on the results of data analysis, and promoting the improvement and evolution of the manufacturing field.

- 6 Inspection Engineer Program
- 7 Control Programming Engineer Program
- 8 Motion Engineer Program
- 9 Manufacturing Management Engineer Program
- 10 Equipment Management Engineer Program and more

We customize systematic curriculums according to customer requests.



# The IA Academy Network:Connecting People and Systems

# Across Over 150 Locations in 40 Countries/Regions

The IA Academy develops technical personnel through the specialist group 'Team IA Academy' and the customer-

dedicated learning experience system 'Platform IA Avenue'.

**INFORMATION**  
For the latest information  
on IA Academy,  
please visit here.



EUROPE & AFRICA

44 Sales Offices

Training Center 19 Locations

Automation Center 10 Locations

GREATER CHINA

45 Sales Offices

Training Center 16 Locations

Automation Center 5 Locations

KOREA

3 Sales Offices

Training Center 1 Locations

Automation Center 2 Locations

AMERICAS

7 Sales Offices

Training Center 5 Locations

Automation Center 8 Locations

JAPAN

28 Sales Offices

Training Center 5 Locations

Automation Center 4 Locations

ASIA PACIFIC

16 Sales Offices

Training Center 11 Locations

Automation Center 5 Locations

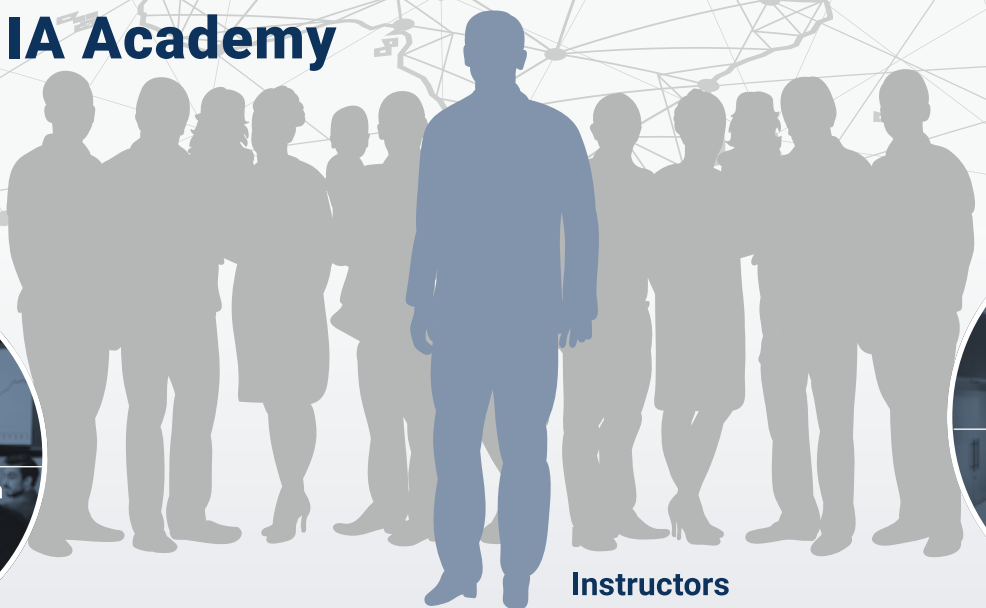
INDIA

6 Sales Offices

Training Center 3 Locations

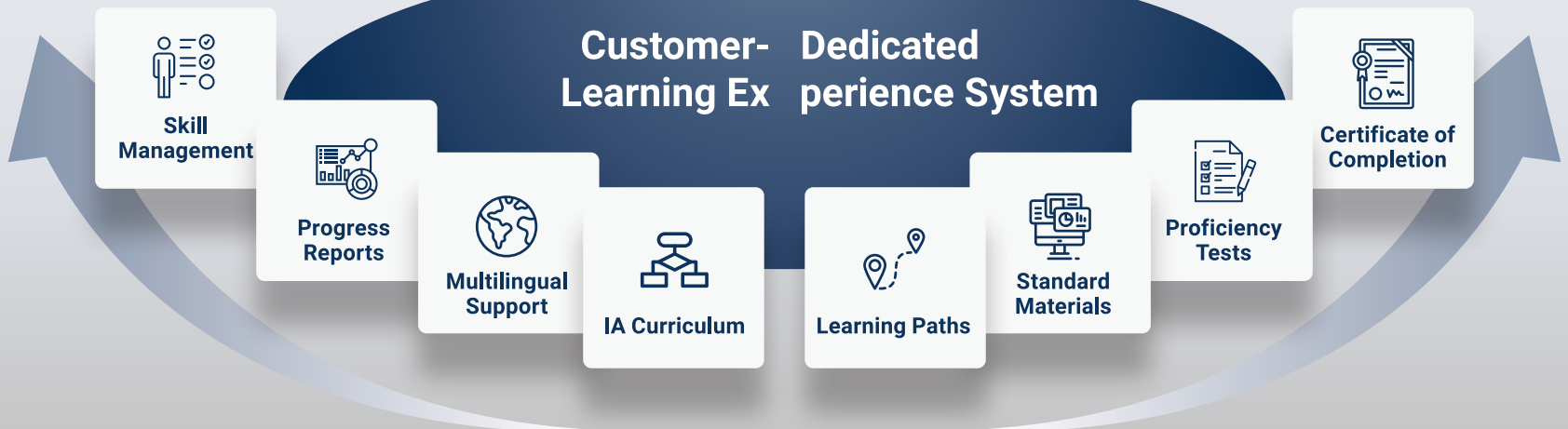
Automation Center 1 Location

## Team IA Academy



Instructors

## Platform IA Avenue



Total Organizers

Coordinators

Cases of Customers Engaged in Leading Human Resource Development to Drive Manufacturing Evolution

The IA Academy contributes to accelerating the evolution of manufacturing and the resolution of social issues through development of IA personnel and careers.

/// Cases of Implementation

Early Workforce Development

Support for the training of new employees to spark interest in manufacturing and prepare them for the field

Major General Electronics Manufacturer

- Providing an integrated training curriculum that systematically combines traditional individual technical training.
- Achieving early development of new employees within just one month.



Issues

- Desire to efficiently teach a wide range of technologies in a short time.
- Wish to provide systematic training rather than ad-hoc, one-off sessions.

Solutions

- Developing a comprehensive curriculum and courses covering the range of equipment used by the customer's facilities.
- Conducting a one-month intensive training at OMRON's facilities, offering lectures, experiential learning, and comprehensive exercises.

Period

Planning and Design to System Establishment: 6 months  
Training Implementation: 1 month

Career Development

Support for the development of industry newcomers to become professionals capable of project management in the field

Major E-Commerce & Logistics Company

- Establishing a system and process for the continuous development of engineers, achieving career development.
- Developing human resources capable of undertaking project management on site, starting from those with no prior experience in manufacturing.



Issues

- Difficulty in recruiting technical staff necessitating in-house training of inexperienced individuals.
- Desire to train leaders to automate logistics operations.

Solutions

- Planning and designing long-term training curriculums, learning paths, and courses for engineers.
- Providing an environment where technical and management skills can be acquired simultaneously.

Period

Planning and Design to System Establishment: 9 months  
Training Implementation: 14 months

Reskilling

Support for the development of personnel responsible for practical improvements through the understanding of world-standard control program structures

Major Automotive Manufacturer

- Implementing international standard programming training in six countries compliant with IEC standards.
- Accelerating technical acquisition and local autonomy through multilingual learning.



Issues

- Want to reduce initial costs by quickly starting up equipment.
- Desire to provide uniform training across multiple global locations.

Solutions

- Designing a common curriculum to master the International Standard Programming Languages (IEC 61131-3).
- Providing face-to-face instruction and on-demand training by local instructors across nine locations in six countries.

Period

Planning and Design to System Establishment: 9 months  
Training Implementation: from 1 week

Upskilling

Support for the development of personnel responsible for creating safe and secure work environments in factories worldwide

Major Automotive Parts Manufacturer

- Conducting machine safety training by instructors with specialized safety qualifications.
- Assisting in raising safety awareness among employees globally and constructing safe work environments.



Issues

- Desire to systematically build a safe workplace environment as a company-wide policy.
- Wish to continuously develop safety professionals.

Solutions

- Designing a curriculum that recognizes customer-specific safety measure specifications.
- Delivering training by instructors proficient in the latest safety standards.

Period

Planning and Design to System Establishment: 9 months  
Training Implementation: from 3 days



OMRON Corporation Industrial Automation Company, Advanced Solutions Division

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View the latest information about the IA Academy:

**[www.services.ia.omron.com/en](http://www.services.ia.omron.com/en)**

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For the latest information on OMRON control equipment, please visit **[www.ia.omron.com](http://www.ia.omron.com)**

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