

# COMAU Academy

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Professional  
offer



# Comau Academy

**Comau Academy for Professionals** •••



Empowering professionals with advanced skills to drive digital transformation and technological innovation

**Comau Academy for Education** •••



Preparing young people for the future, bringing them closer to technology

## Comau Academy: Driving Innovation in Education and Training

Comau Academy provides technical and managerial expertise to train diverse audiences through innovative educational initiatives, using advanced learning technologies. Its approach enhances creativity, accelerates skill development and supports digital transformation.

### Key Highlights:

- **Real-World Learning:** offers practical experiences in robotics, STEM and future professional roles, tailored to workplace needs.
- **Training Expertise:** combines knowledge in robotics and Instructional Design with innovative methodologies.
- **Inspiring Tools:** engages learners through revolutionary tools like the e.DO robot and training stations.
- **Global Impact:** operates within a global ecosystem focused on technological innovation, digital transformation and Industry 4.0.
- **Digital Transformation Leadership:** promotes skill development for future workforce challenges.

**since  
2018**

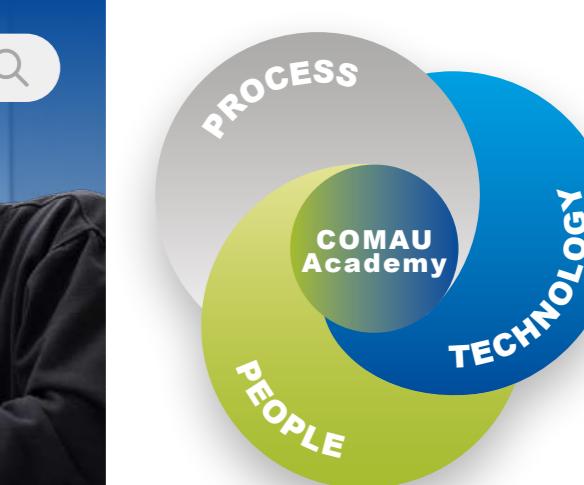
Comau Academy has trained over 30,000 individuals globally, collaborating with Schools, Business Schools, Universities, Research Centers and companies to deliver advanced up-skilling and re-skilling programs. It is thus creating a robust educational ecosystem to prepare learners for tomorrow's challenges.

# Comau Academy's Training Solutions

••• **TECHNOLOGICAL AND TRAINING SOLUTIONS** 🔍

**Technologies, teaching, and certification of acquired skills**

- Industry 4.0
  - programming laboratories for automated systems
  - maintenance laboratories for industrial robots
  - manual and robotic welding laboratories
  - laboratories for collaborative industrial robotics
- Model Factory for industrial processes and production
- Customized automated laboratories



**TRAINING PROGRAMS** 🔍 •••

**Customizable advanced technical training, hands-on approach, and certification of acquired skills**

- Industrial Robotics Products & System Training
- Programming Training
- Maintenance Training
- Artificial Intelligence & Machine Learning Training
- Digital Transformation & Automation System Training
- Project & People Management Training
- Team Building with Robots
- Advanced Train the trainer programs
- Customized Master Programs

**TARGET AUDIENCE**

- Professionals
- Companies
- Employment Agencies
- Business Schools
- Universities & Technical Institutes
- Research Centers
- Public Institutions





# Technological and Training Solutions



**TECHNOLOGIES**  
The Comau Academy offering is based on the provision of technological solutions that create true Industry 4.0 laboratory environments.

**TRAINING PACKAGES**  
Highly engineered training materials (slides, videos, exercises, formative and summative assessment tools) are provided, available on the Comau Academy online LMS (Learning Management System) platforms.



**TRAINING / TRAINER CERTIFICATION**  
We train and certify those qualified to use Comau Academy laboratories and deliver training content.

**CUSTOMER - DEDICATED LMS**  
We enable online access to training materials and exercises for class attendance with a tenant dedicated to specific customers and their skills on the Comau Academy LMS.

**CERTIFICATION**  
We certify the development of professional skills through exams, following successful completion of training and certification programs.



## Industry 4.0 programming laboratories for automated systems

Comau's robotic stations (single or multiple) are an excellent tool for introducing robotics and learning industrial robotics programming languages, as well as the control logic of electronic components in modern automation systems.

- ▶ Access licenses to professional training modules developed by Comau. Up to **240 hours of practical laboratory activities**, to certify skills in:
  - Use and Programming Of Robotic Systems
  - Python Programming
  - Fieldbus & Communication I/O
  - PLC Logic

## Industry 4.0 laboratories for collaborative industrial robotics

Comau's **industrial and collaborative robotics stations** are an excellent tool for introducing **robotics** and learning **programming languages**, safety and control logic of electronic components in modern automation systems. Cobots integrate into existing layouts, promote inclusive work environments, offering **significant benefits in terms of efficiency and adaptability**.

- ▶ Access to licenses for professional training modules developed by Comau, allowing up to **240 hours of practical laboratory work**:
  - Evolution 4.0 of Robotics
  - Use and Programming Of Robotic Systems
  - Collaborative Robotics
  - PLC e Fieldbus Programming



## Industry 4.0 maintenance laboratories for industrial robots

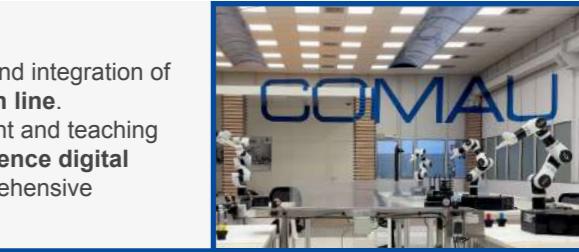
The ideal solution for acquiring **mechanical and electronic maintenance skills**, thanks to the combination of Comau robots and dedicated training hardware simulators. In complete safety, students will develop **problem-solving skills** and learn the fundamentals of **industrial robot maintenance**.

- ▶ Access licenses to professional training modules developed by Comau. Up to **240 hours of practical laboratory activities**, to certify skills in:
  - Use and Programming of Robotic Systems
  - Problem Solving and Diagnostics
  - Mechanical Maintenance & Robot Troubleshooting
  - Electrical Maintenance & Robot Troubleshooting

## Model Factory for industrial processes and production

Comau's Model Factory is an innovative training environment that **replicates a real production line**: designed to teach the **principles of industrial production, process automation, and continuous improvement**, applied to **businesses**. Thanks to a **modular structure**, it integrates collaborative robots, handling systems, and digital monitoring, reproducing the Industry 4.0 ecosystem.

- ▶ Co-design of advanced training environments, supply and integration of the technologies needed to **replicate a real production line**. From defining professional profiles to developing content and teaching methodologies, the Model Factory allows you to **experience digital transformation and technology coaching** in a comprehensive industrial context.



## Industry 4.0 manual and robotic welding laboratories

Using **Comau's robotic solutions** with integrated **Seaberry Soldamatic software** (an augmented reality arc welding simulator), this lab offers a **highly effective training experience for manual and robotic welding**. **Augmented reality** ensures high levels of learning, under **excellent safety conditions** and **significantly reduces costs**, while providing a real, highly educational, and comprehensive welding experience.

- ▶ Access licenses to professional training modules developed by Comau. Up to **240 hours of practical laboratory activities**, to certify skills in:
  - Use And Programming Of Robotic Systems
  - Fieldbus & Communication I/O
  - Welding Theory
  - Manual Welding and Welding Practice
  - Robotic Welding and Welding Practice

## Customized automated laboratories

Comau's custom laboratory solutions allow us to design customized training environments dedicated to **key industrial sectors: logistics, energy, process management, automation, biomedical**, and much more. Each laboratory integrates **real-world technologies** and **advanced teaching methodologies** to develop technical and transversal skills in specific production contexts.

- ▶ Comau's Custom Lab solutions are the result of a co-creation process with partners and institutions to design customized technological laboratories in key industrial sectors. Comau supplies and integrates technologies, develops training content, and defines professional profiles, creating educational ecosystems capable of **connecting logistics, energy, automation, biomedical**, and all other automation sectors in an **Industry 4.0** perspective.



# Training Programs

## Industrial Robotics Products & System Training

Training courses dedicated to customers who have purchased **Comau Industrial Products** or Systems and require refresher training on **use, programming, maintenance and the main applications**.



Technical Training on all Comau industrial solutions:

- Use and Programming Languages
- Routine Maintenance (Mechanical, Electrical)
- Industrial Functionality and Applications
- Machine Safety

## Programming Training

Training courses dedicated to **developing programming skills, from industrial systems control to advanced automation**, to support professionals and companies in the efficient and flexible management of digital technologies.



Technical Training on:

- Use and Programming of Industrial Systems (Pld2 and Pld2 Advanced)
- Python Programming
- Fieldbus and Industrial Communication
- PLC Logic and Process Control

## Maintenance Training

Training courses dedicated to the **maintenance of industrial systems, robots, and plants, aimed at developing technical and diagnostic skills** to ensure efficiency, production continuity, and performance optimization. The programs also introduce digital tools and Industry 4.0 maintenance methodologies geared toward failure prediction and proactive asset management.



Professional Training in:

- Electrical Maintenance
- Mechanical Maintenance
- Multi-skilled Maintenance Technician
- Pneumatics
- Industrial Machinery and Systems
- Problem Solving for Real-life Failures

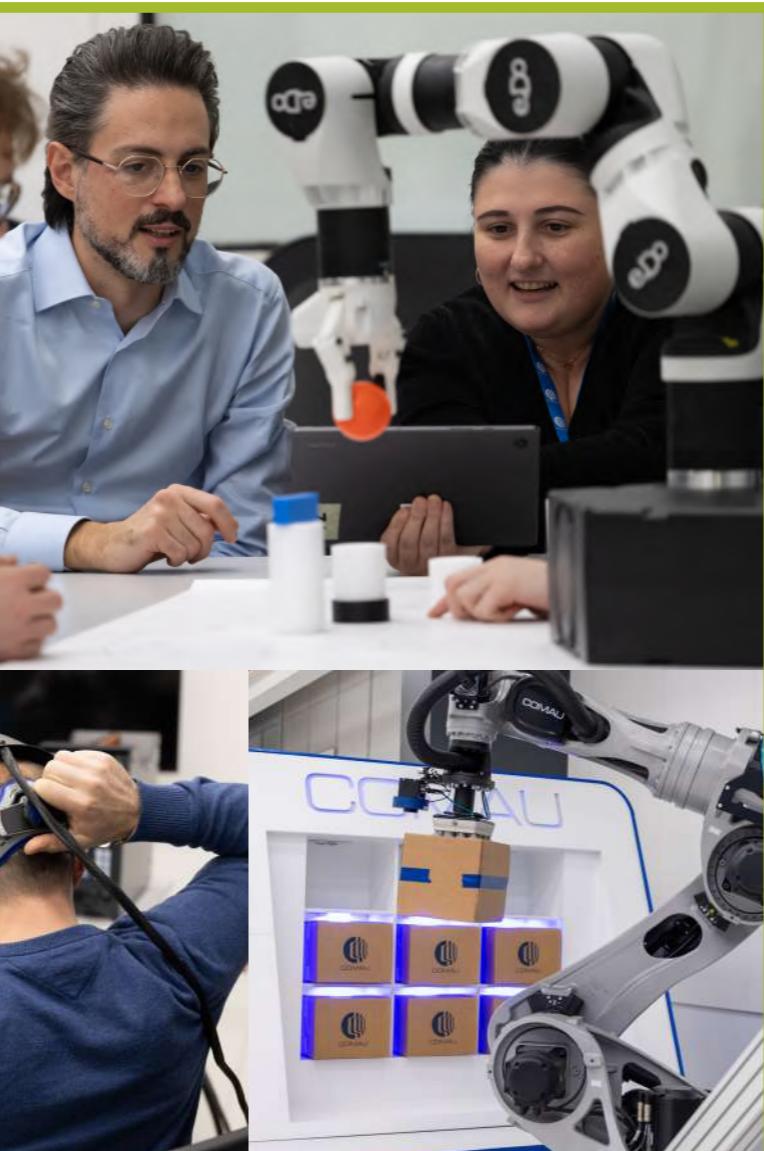
## Artificial Intelligence & Machine Learning Training

Training programs dedicated to the **development and application of artificial intelligence and machine learning solutions in industrial contexts**. The programs train professionals and businesses to use data-driven methodologies to optimize processes, enable predictive maintenance, and integrate digital innovation into production and decision-making models.



Professional Training in:

- Object Recognition and Quality Control
- Predictive Maintenance
- Machine Learning and Computer Vision
- Vision System
- Neural Network Training



## Digital Transformation & Automation System Training

Training courses for companies and universities that wish to embark on a **journey of digital transformation and technological growth with automation**, knowing that these challenges will determine their competitive advantage in the near future.



Professional Training in:

- Innovation and Digital Transformation
- Automation System Impact
- Artificial Intelligence & Machine Learning
- Key Scientific and Technological Issues in Business
- Human and Technology New Way of Working

## Project & People Management Training

Training programs that **integrate project management, innovation, and leadership** to enhance the ability to effectively plan, manage, and lead business projects and processes.



Role Training on:

- People Management
- Project Management
- Agile Project Management
- Problem Solving & Design Thinking
- Immersive Lean Strategies
- Change Management

## Team Building with Robots

Experiential courses using e.DO educational robotics to foster **collaboration, creativity, and team problem-solving**. Activities combine **hands-on learning and challenge-based learning** to develop transversal skills, foster a culture of innovation, and connect people and organizations with technology in a concrete and engaging way.



Team Training on:

- People and Technologies Management
- Collaboration and Communication
- Flexibility and Agility
- Attention to Detail
- Work Effectiveness and Efficiency
- Educational Activities, Events, and more...

## Advanced Train the Trainer

Thanks to its solid experience in **instructional design**, the Comau Academy team builds customized courses based on proprietary technologies, accompanied by exclusive programs to train the company's internal trainers, **ensuring the ability to independently manage training** on their robots and automated systems.



Technical Training on all Comau industrial solutions:

- Use and Programming Languages
- Routine Maintenance (Mechanical, Electrical)
- Industrial Functionality and Applications
- Machine Safety



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Made in Comau