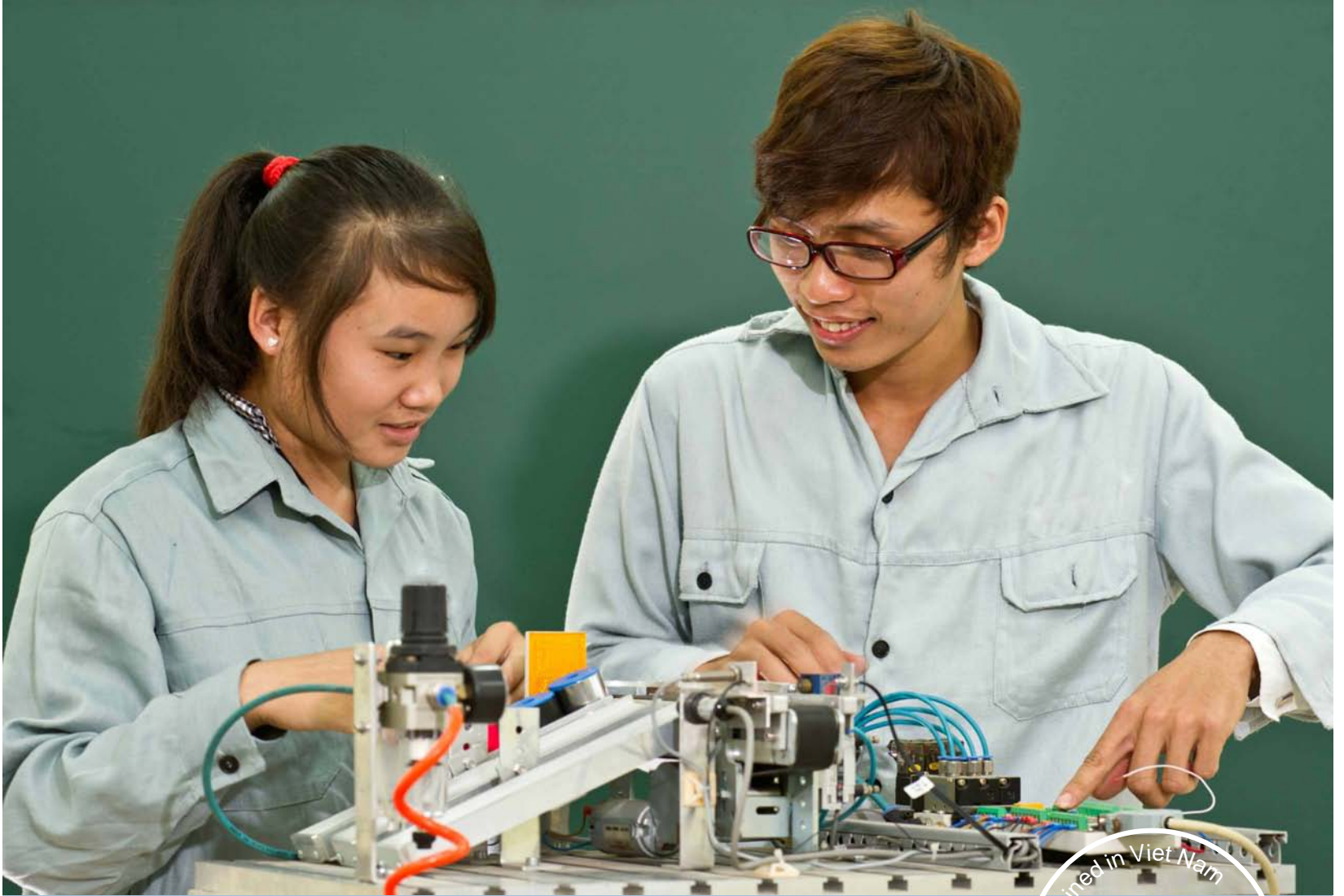


# Centre of Excellence for TVET - LILAMA 2



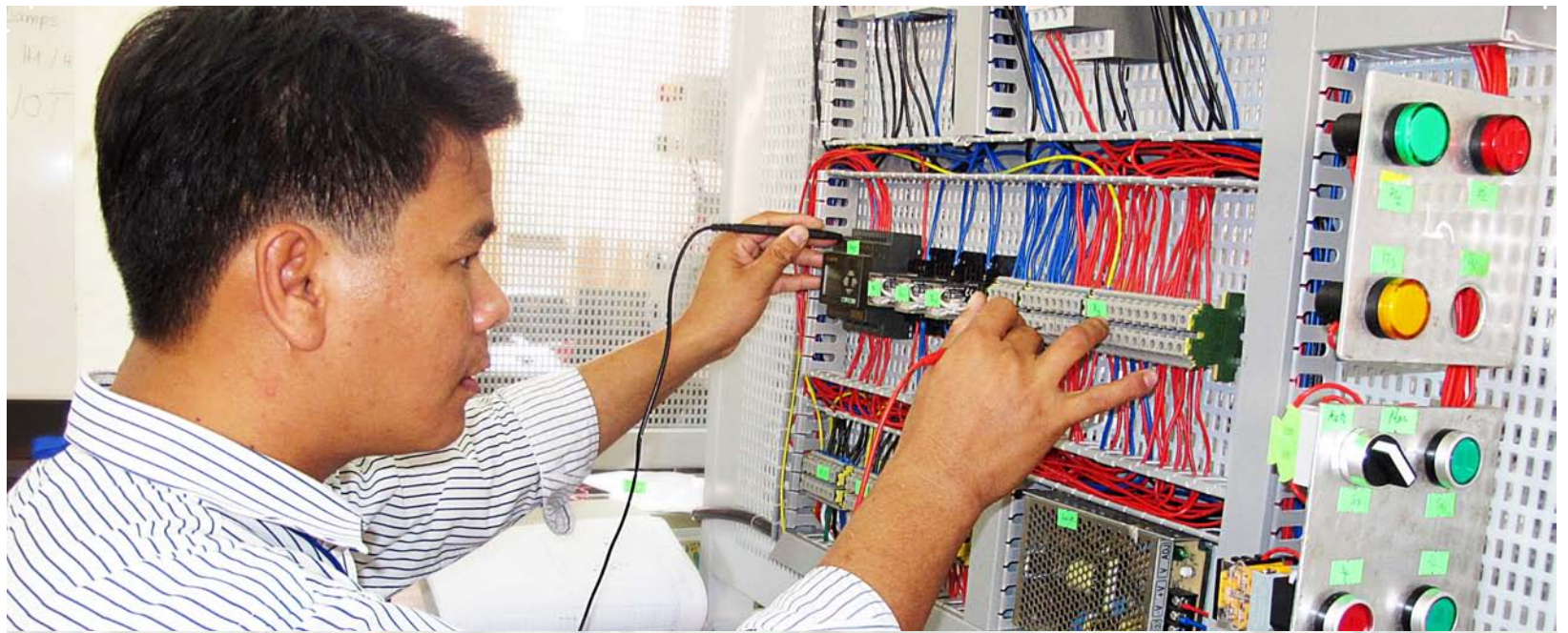
become a  
**Industrial Electronics  
Technician**

**Industrial Electronics**



**Vietnamese - German Development Cooperation in TVET**





## Industrial Electronics Technician

Industrial Electronics Technicians install electrical components, equipment and systems in the field of electrical power supply, industrial plants, modern building equipment and automation technology. They maintain them regularly, extend and modernize and carry out repairs in case of faults and malfunctions. Furthermore, they install cable routing systems, power and communication lines as well as electrical equipment of machines with related automation systems.

Industrial Electronics Technicians programme, configure and test control and automation systems and safety devices. They organize the assembly of electrical plants, supervise and monitor the work of service providers.

During the handing over of electrical plants Industrial Electronics Technicians provide operation and maintenance instructions to the customer.

Industrial Electronics Technicians are especially employed in industries with modern production facilities using systems of control and automation technology, such as of programmable logic controllers or other modern technologies. Further employment opportunities are being provided by electrical installation companies that incorporate modern technical building equipment or utilities.

Under the provisions of the Prevention of Accidents Regulations, Industrial electronics technicians are deemed to be skilled electrical and electronic engineering workers

### Tasks and activities:

- Take over electrical equipment
- Design electrical equipment modifications and expansions
- Set up and disassembly workplaces/building sites
- Organize electrical plant assembly
- Monitor the work of service providers and other trades
- Assemble and install wiring systems, information cables and power lines, including general supply lines
- Install and set up machines and drive systems, including pneumatic/hydraulic components
- Assemble and wire up switchgear and automation systems
- Programme and configure systems, test the functionality and safety facilities of systems
- Monitor and maintain plants, carry out checks on a regular basis
- Analyze faults, initiate immediate measures and carry out routine repairs to plants
- Hand over plants, instruct users in their operation and provide services
- Work with English language documentation and communicate in English



Implemented by  
**giz** Deutsche Gesellschaft  
für Internationale  
Zusammenarbeit (GIZ) GmbH

**GDVT**



### Contact information:

Programme Reform of TVET  
in Viet Nam

Deutsche Gesellschaft für  
Internationale Zusammenarbeit  
(GIZ) GmbH

2 floors, No. 1  
Lane 17, Ta Quang Buu Street  
Ha Noi, Viet Nam  
Tel: +84 4 397 46 571/-2  
Fax: +84 4 397 46 570  
Website: www.tvet-vietnam.org

General Department of  
Vocational Training (GDVT)

37B Nguyen Binh Khiem  
Hai Ba Trung  
Ha Noi, Viet Nam  
Tel: (+84 4) 3974 5207  
Fax: (+84 4) 3974 0339  
Website: www.tcdn.gov.vn

Vietnamese Vocational  
Training Association (VVTA)

No. 2, Dinh Le Street  
Hoan Kiem District,  
Ha Noi, Viet Nam  
Tel./Fax: (+84 4) 3936 7419

LILAMA 2 Technical and  
Technology College

Km 32, 51 National Road,  
Long Thanh, Dong Nai  
Viet Nam  
Tel./Fax: (+84 61) 355 8700  
Website: www.lilama2.edu.vn