S.O.T. Systems of Timor
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Rua de Ai Meti Laran, Comoro, Dom Aleixo, Dili

JOB PROFILE

Electrical engineer

Enjeñeiru eletrisidade

Mechanics, electrical & technical · ISCO-08 2151

Electrical engineers design, build and look after systems that make, carry and use electricity: power stations, power lines, substations, motors and the wiring of big buildings. The Government says the planned petroleum supply base in Suai could build local skills in electrical and mechanical engineering, among others.

TRAIN IN TIMOR	**To confirm** UNTL engineering faculty; courses to confirm
COURSE LENGTH	**To confirm** No published source yet
IN TIMOR	**To confirm** No demand data for Timor yet
ABROAD	**No official programme yet** Australia PEV: any job, with a job offer
PAY IN TIMOR	**US$292 / month** Average for all professionals in Timor-Leste, not this job alone (Labour Force Survey 2021)

WHAT YOU DO

Design: Design power supply and wiring for buildings and sites; Calculate loads, cable sizes and protection; Make technical drawings and specifications.

Build and install: Plan how generators, lines and substations are put in; Supervise electricians and technicians on site; Test new systems before they are switched on.

Keep power running: Plan regular maintenance of electrical equipment; Find out why a system failed and how to fix it; Find ways to use less energy.

Lead and check: Check that work meets safety rules and standards; Work out costs and write reports; Advise managers and clients.

Based on the ILO description of ISCO-08 unit group 2151, Electrical engineers.

WHERE YOU WORK

Power stations and the grid (Generation, transmission and distribution); Construction and design firms (Wiring for buildings and projects); Oil, gas and ports (The planned Suai supply base); Government (Energy and public works).

You split your time between an office, where you design and plan, and power stations or building sites, where you check the work. Some jobs are far from Dili.

The national plan describes the national electricity grid: power stations at Hera and Betano, a high-voltage line of about 715 km around the country, and nine substations. It also wants high-level technical skills in the electricity sector to be available to Timorese people.

In 2017, 100 foreign engineers of all kinds held work permits in Timor-Leste: work that trained Timorese engineers can take.

IS IT FOR ME?

You are good at: Maths and physics, Solving problems, Careful, exact work, Following safety rules, Explaining ideas clearly.

You like: Electricity and electronics, Finding out how things work, Computers and design tools, Bringing power to communities.

Good maths and physics at secondary school help. Many manuals, standards and engineering books are in English.

TRAIN FOR IT IN TIMOR-LESTE

- **Faculdade de Engenharia, Ciência e Tecnologia, UNTL** · National university engineering faculty. Whether it teaches electrical engineering: to confirm.
- **Engenharia Eletrotécnica (Diploma I and II)** · Named in 2017 as a possible future course at the Betano polytechnic (IPB; its new name IPTL is to confirm). Whether it runs now: to confirm.
- **Higher Polytechnic Institute of Engineering, Suai** · Planned in the Government programme 2023–2028. Courses: to confirm.

Course length, fees and entry rules: to confirm with each institution. The directory never shows a number without a source.

WHERE IT LEADS

- **Building electrician** · A related start: Técnico de Eletricidade at a technical secondary school (ISCO 7411)
- **Electrical engineer** · University degree in engineering
- **Senior engineer or project manager** · Leads bigger projects after years of experience
- **Your own engineering business** · Startups of Timor helps you start one

WORK ABROAD, SAFELY

- **Australia: Pacific Engagement Visa** · No official programme recruits Timorese workers for this job yet. Australia's Pacific Engagement Visa allows any occupation, but you need a job offer first.

Never pay a fixer. Join only through SEFOPE, the Timor-Leste government office for work abroad. No one can sell you a place, and a real overseas job never asks you for a recruitment fee.

SOURCES

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7. Diploma Ministerial 8/ME/2013: technical secondary courses (ESTV). Whether the 2013 list is still current: to confirm https://mj.gov.tl/jornal/?q=node%2F3983
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9. Labour Force Survey 2021, Table 29: average monthly wage of employees by occupation group https://www.ilo.org/sites/default/files/wcmsp5/groups/public/%40asia/%40ro-bangkok/%40ilo-jakarta/documents/publication/wcms_863064.pdf

From the Servisu jobs directory. Every figure has a source; "to confirm" means none yet. http://servisu.oftimor.com/jobs-directory/electrical-engineer/?lang=en