



TRIEDEN TECHNOLOGY SDN. BHD. (1614564-K)
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Job Title: Engineer – AGV & Robotic Integration

 Penang, Malaysia

 Trieden Technology Sdn Bhd

About Us

Trieden Technology is a fast-growing Malaysian company delivering **3D robotic vision, automation integration, and factory component solutions.**

We combine robotics, vision, and automation to help manufacturers move toward **smart, flexible, and intelligent production systems.**

Now, we're expanding our team with young engineers eager to work on the next wave of **AGV (Automated Guided Vehicle) and AMR (Autonomous Mobile Robot) integration.**

Your Mission

Join our automation team and help integrate **mobile robotic systems (AGV/AMR)** into real-world manufacturing environments.

You'll be working with **robotic arms, 3D vision cameras, and motion control systems** — building the link between robots, software, and mobility.

What You'll Do

- Assist in **integration, configuration, and testing** of AGV/AMR systems in customer factories.
- Work with **robotic arms and 3D vision systems** to build mobile manipulators and smart work cells.
- Support **navigation, sensor, and communication setup** (LiDAR, camera, or vision-based localization).

- Help develop **AGV mission flows**, docking logic, and factory interface automation (I/O, PLC, MES).
 - Participate in **on-site commissioning** and troubleshooting.
 - Collaborate with software, vision, and mechanical teams to deliver turnkey automation solutions.
 - Prepare **system documentation**, drawings, and technical reports.
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Who We're Looking For

Fresh graduates (or ≤ 2 years experience) in:

- *Mechatronics Engineering*
- *Robotics / Electrical / Electronics Engineering*
- *Mechanical Engineering (with automation projects)*
- *Computer or Software Engineering (with robotics/AI interest)*

You're a great fit if you:

- *Love robotics, automation, and AI-based systems.*
- *Enjoy hands-on work and problem-solving in real industrial environments.*
- *Are curious about AGV, navigation systems, and robotic vision.*
- *Have basic knowledge of robot programming (UR, Fanuc, Denso, etc.) or automation systems.*

Bonus Skills (nice-to-have):

- *Familiarity with AGV/AMR concepts (path planning, obstacle avoidance, fleet control).*
 - *Basic knowledge of ROS, C++, Python, or PLC communication.*
 - *Experience with sensors (LiDAR, IMU, camera systems).*
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Why Join Trieden Technology

- Work directly on **cutting-edge AGV + robotics integration projects.**
- Hands-on exposure to **3D vision, AI, and industrial robotics.**
- Mentorship by experienced engineers in automation and system integration.

- Clear growth path into **System Integration Engineer, Robotics Specialist, or Project Lead.**
 - Dynamic, collaborative environment with real impact in Malaysia's smart manufacturing industry.
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 **How to Apply**

Send your resume to

 Judy.chew@tridentech.com

Subject: Graduate Engineer – AGV & Robotic Integration

Include a short paragraph about a project or technology you're passionate about — robotics, automation, or AI.