

FAFO Solutions – Fast and Flexible Optimisation
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FAFO Solutions – Fast and Flexible Optimisation

Custom Robotics for Demanding Environments

Who We Are

FAFO Solutions is an applied robotics development lab specializing in custom mobile robotic systems for challenging, real-world environments. Based on strong engineering expertise and close collaboration with industry partners, we bridge the gap between laboratory innovation and practical, on-site performance.

Our Mission

To deliver reliable, adaptable, and field-ready robotic solutions that directly address the operational needs of our clients — increasing efficiency, safety, and productivity in industries where standard solutions fall short.

What We Do

We design, build, and integrate mobile robots and related technologies for sectors such as construction, outdoor infrastructure, and industrial automation.

Our services include the following:

- Custom Mobile Robot Design – Tailored platforms for specific terrains, payloads, and tasks;
- Sensor Integration – Lidar, vision systems, GPS/RTK, and environmental sensors;
- Autonomy & Control Systems – Navigation, path planning, and teleoperation solutions;
- Proof-of-Concept to Deployment – From rapid prototyping to on-site implementation;
- Adaptation of Existing Systems – Enhancing commercial robots for specialized needs;
- Consultancy & Technical Advisory – Helping clients evaluate, plan, and implement robotic solutions, from initial feasibility studies to system optimization.

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How We Work

At FAFO Solutions, we believe that the best robotic systems come from working closely with the people who will actually use them.

Our approach is:

- Consultancy & Technical Advisory – Helping clients evaluate, plan, and implement robotic solutions, from initial feasibility studies to system optimization;
- Listen First – We start by understanding your operational challenges in detail;
- Design for the Real World – Every prototype is built to survive and perform in your environment, not just in a lab;
- Iterate Quickly – We test early, learn fast, and adapt the design to meet your needs;
- Deploy with Confidence – We ensure every system is ready for real-world use before it leaves our hands.

What It Means for You

By working with FAFO Solutions, you gain a partner who can transform your operational challenges into tailored, effective robotic solutions.

You only find out by doing — reach out and we'll do it together.

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