



## About EFIMO, Intel Pvt. Ltd.

EFIMO, Intel Pvt. Ltd. is a leading ISO 9001 -2015-certified company specializing in five key business verticals:

### Robotics & Automation

Design, manufacturing, and programming of robotic cell and fixtures.

### Sheet Metal Fabrication

High-precision fabrication for industrial applications.

### Material Handling & Power Solutions

Manufacturing of AGVs, conveyors, SMPS, and UPS systems.

### Software Development

Custom software solutions for various applications.

### Electrical design & consultancy

Design development and manufacturing of PCC panels, RTPFC panels, cable trays, etc.

With a strong industry presence, we deliver cutting-edge automation and engineering solutions that enhance efficiency, reliability, and precision. Our commitment to quality and innovation makes us a trusted partner for industries worldwide.

Visit us at [www.efimointel.com](http://www.efimointel.com) to learn more.



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## VISION

EFIMO Intel PVT Limited is a pioneering force in automation technology. We specialize in integrating cutting-edge innovations, including:

- Connected Vehicles
- ADAS (Advanced Driver-Assistance Systems)
- Automation Solutions
- IOT (Internet of Things) based systems

Into our comprehensive product offerings, driving efficiency, safety, and excellence."



## MISSION

"At Efimo Intel, we're a decentralized collective of expert machine system integrators and software developers, delivering cutting-edge automation solutions. Our mission is to design and deliver innovative, top-tier, customized systems that empower our customers to produce high-quality products efficiently and flexibly.

From concept to design, development, and production, we provide comprehensive support, ensuring seamless on-site implementation and guidance until process maturity.

Together, we strive to continuously enhance cost efficiency, value, and quality, driving excellence in our products and services.





## Robotics automation and fixture design

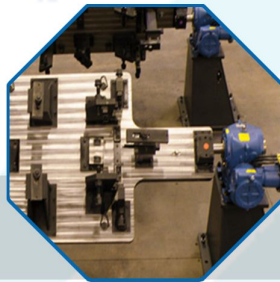
We specialize in PLC programming for Mitsubishi, Siemens, and Allen Bradley, offering seamless process automation solutions to optimize workflows and boost productivity. Our expertise includes precision control and real-time monitoring, enabling data-driven decision-making.

We integrate industrial networks such as Modbus, Profibus, and Ethernet/TCP and deliver customized automation solutions for businesses of all sizes, from small machines to large industries.

Our advanced capabilities include multi-axis motion control for robotic arms, AGVs, and AMRs, along with AI-driven vision-guided systems for enhanced automation.

We drive smart factory and digital twin implementations while leveraging IoT and cloud integration for intelligent automation strategies.

Lastly, we focus on energy-efficient automation solutions, promoting sustainability through optimized operations with minimal human intervention.



### Our Expertise:

- **Robotic Fixture Fabrication** – High-precision fabrication for industrial and automotive sectors.
- **Precision Manufacturing** – Advanced manufacturing solutions tailored to various industries.
- **Robotic Fixture Design & Development** – Custom robotic fixtures for seamless automation.
- **Robot Fixture Manufacturing** – High-quality fixtures ensuring optimal robotic integration.
- **Prototype Fixtures for the Automotive Industry** – Specialized prototyping to support automotive innovation.



## Sheet Metal Fabrication work

We are experts in sheet metal fabrication, precision manufacturing, pressure vessel production, and SPM (Special Purpose Machine) design and manufacturing. With a strong focus on innovation and quality, we deliver high-precision engineering solutions tailored to industry needs.



- **Sheet Metal Fabrication** – High-quality fabrication for industrial and engineering applications.
- **Precision Manufacturing** – Advanced manufacturing solutions for superior accuracy and performance.
- **Pressure Vessel Manufacturing** – Reliable, high-strength vessels built to industry standards , and buckstay assembly
- **SPM Design & Manufacturing** – Custom-designed machines for specialized industrial processes, beam radiation platform ,chimney and support structure.Turnion linear

With a **commitment to excellence**, we provide **cutting-edge solutions** that ensure efficiency, durability, and precision.





## Material handling Unit



**We are expert in design and development of innovative Material Handling Equipment**

### **Unit Load AGV , Automated Guided Carts , Autonomous mobile robot and Towing AGV**

- We design AGV with Mecanum wheels or ball wheels for precise 360 Deg. Movement, Ideal for narrow aisles and flexible warehouse layouts. That Can be reconfigured for different payload capacities by adding/removing modules.
- These AGV Navigate thorough Magnetic tape or wire, Laser navigation, optical navigation, inertial navigation and GPS navigation
- Obstacle detection and safety - These AGV are well equipped with Lidar / ultrasonic sensor, bumpers and Emergency stop button..
- Communication is done through WiFi or RFID tags

### **Smart and intellegent Conveyor System (SICS)**

- we design and manufactures conveyor system with modern, versatile product line designed to efficiently handle a variety of products and applications. our conveyors utilize proven designs and the latest technologies to help customers reliably meet logistics demands while reducing operational costs.
- Drawing from decades of systems integration, consulting, controls and software experience, this product has evolved into a superior offering that easily integrates with controls, software and both new or existing systems.

### **Flexible Crawler Transporter (FCT)**

- A compact AGV with caterpillar tracks for uneven surfaces. Ideal for manufacturing plants with rugged or uneven terrain.



## Power Solutions

**Wireless Power Transfer System for AGVs (WPT-AGV)** – We uses inductive or resonant wireless charging unit to keep AGVs running without direct plug-in stations as well as conventional charger. Wireless chargers eliminates downtime due to battery swaps or charging breaks.

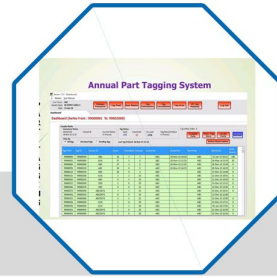
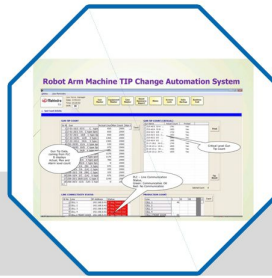
**Supercapacitor-Based UPS and SMPS for Critical Equipment** – We manufacture faster response time UPS than traditional battery-based, Ideal for data centers, automation control systems, and industrial robotics.







# Software Application development



- At Efimo Intel, we specialize in designing and developing cutting-edge software solutions that drive efficiency and automation across industries. From business requirement analysis to user-friendly software design, we ensure seamless digital transformation.
- Efimo Intel is a technology-driven company specializing in architectural design for software solutions. Our approach integrates business requirements gathering, user input validation, and digital analytics to create robust and scalable software.
- With expertise in Python, .NET, C#, and Java, we develop high-performance software applications tailored to industrial automation, enhancing productivity and precision.

## Our Mission

- To deliver intelligent, efficient, and scalable software solutions that transform industries and empower businesses with automation-driven technology.

## Our Services

### Software Development & Automation

- **Custom Software Solutions** – Tailor-made applications for business efficiency.
- **Industrial Automation Software** – Optimized solutions for plant and process automation.
- **Embedded Systems & Controller Development** – Expertise in ARM Cortex, Raspberry Pi, and more.
- **Data Analytics & MIS Solutions** – Business intelligence tools for data-driven decision-making.

## Our Expertise

We have successfully developed:

- **Air Handling Unit System Dashboard** – Optimizing air circulation & efficiency.
- **Computer-Aided Stock System** – Smart inventory management solutions.
- **Robotic Gun Life Assessment Tool** – Enhancing robotic system durability.
- **MIS Software** – Critical plant parameter tracking for daily analysis.
- **ADAS Calibration Software** – Precision software for driver assistance systems.

## Industries We Serve

- Manufacturing & Industrial Automation
- Automotive & ADAS Systems
- Supply Chain & Inventory Management
- Energy & HVAC Systems
- Robotics & Embedded Systems

## Why Choose Us?

- **Industry Expertise** – Years of experience in industrial automation software.
- **Innovative Solutions** – Custom-built software tailored to business needs.
- **Skilled Technical Team** – Proficient in multiple programming languages & embedded systems.
- **Scalable & Future-Ready** – Solutions designed for growth and adaptability.



## Electrical design and consultancy



### Our Expertise in Electrical Design & Consultancy Services

We provide a comprehensive range of electrical design and manufacturing solutions, ensuring efficiency, safety, and industry compliance across various industrial applications.

#### Power Control Center (PCC) & Power Distribution Panels (PDP)

We specialize in the design and manufacturing of PCC & PDB panels, which play a crucial role in managing and distributing electrical power across facilities. These panels ensure

- Reliable & Safe Power Distribution
- Optimized Energy Management
- Compliance with Industry Standards

#### Custom Control Panels Manufacturing

Our customized control panels are engineered to automate and regulate industrial processes, improving:

- Operational Efficiency
- Process Control & Monitoring
- Workplace Safety & Reliability

#### Automatic & Real-Time Power Factor Correction (APFC & RTPFC) Panels

We develop advanced power factor correction panels that enhance energy efficiency:

- **APFC Panels** – Adjust reactive power to maintain an optimal power factor, reducing energy losses and lowering costs.
- **RTPFC Panels** – Provide real-time, millisecond-level adjustments, ensuring consistent performance even under fluctuating loads.
- We develop advanced power factor correction panels that enhance energy efficiency:

These solutions are ideal for dynamic industrial environments, helping businesses reduce power wastage and improve energy savings.

#### Cable Tray Manufacturing

We manufacture robust and adaptable cable trays to organize and protect electrical wiring in industrial settings. Our trays are designed for:

- Efficient Cable Management
- Reduced Maintenance Challenges
- Industry Compliance & Safety

With our expertise, we deliver tailor-made, high-quality electrical solutions that power industries efficiently.



We are authorized Dealer of Different kind of Automation Products.

- **Cables** - Lapp, Helu (special automation cables), Polycab, KEI (HT & LT cables).
- **Sensors** - Sick, Keyence, Pepperl+Fuchs.
- **Pneumatics actuator:** - Festo, SMC.
- **Switchgear** - Schneider.
- **Motors** - Marathon , Crompton, Siemens
- **Pumps** - KSB, Grundfos.
- **VFDs** - Delta, Schneider, Siemens.



## Our Clients

- RS cylinder, Hyderabad.
- SM Auto systems.
- Syndicate Exhaust Systems, Pune
- Walker Exhaust Ltd.
- Munjal Auto, Ahmedabad.
- Tata Eutaka Auto Comp. Ltd.
- Nitin Pressings Ltd, Pune.
- Tenneco Exhaust India Pvt. Ltd.
- Fori Automation



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