

# Company Profile

EPBOX ENGINEERING is a trusted innovator in the design and manufacturing of intelligent control panels and industrial automation solutions. Guided by our motto, *“Beyond Boundaries, We Command Control”*, we deliver systems that empower our clients with reliability, precision, and adaptability in the most demanding environments.

Founded on **14 March 2017** and strategically headquartered in **Singapore**, EPBOX ENGINEERING has grown into a recognized solutions provider for mission critical industries, including **Petrochemical, Oil & Gas, Water Treatment, Buildings, and Infrastructure**. Our expertise spans from **Low Voltage (LV) Power Distribution Panels to PLC based automation and SCADA systems**, each project customized to meet the unique operational requirements of our clients.

We understand that in today’s competitive industrial landscape, control systems are not just components they are the backbone of efficiency, safety, and scalability. That is why we approach every project with engineering excellence, stringent quality control, and a deep commitment to delivering results that exceed expectations.

In **2024**, EPBOX ENGINEERING expanded operations to **Batam, Indonesia**, leveraging its position as a strategic gateway to Southeast Asia’s industrial hubs. This expansion strengthens our capability to serve the region with greater agility, enabling local design, programming, and manufacturing of **smart control panels, PLC/SCADA systems, and automation solutions** tailored for sectors ranging from **offshore oil platforms and power plants to modern building management systems**.

Our integrated services cover the full project lifecycle from conceptual design, detailed engineering, and fabrication to on site commissioning,

maintenance, and long-term technical support. This holistic approach ensures seamless system integration and maximum operational uptime for our clients.

## Our Vision

To be the **one stop solution** for industrial control and automation, delivering integrated services from panel design to system commissioning, empowering global transformation.

## Our Mission

To revolutionize industries worldwide with cutting edge panel solutions, driving progress, growth, and connectivity toward a sustainable future.

# About Us

At EPBOX ENGINEERING, we provide end to end solutions in industrial control, integrating advanced hardware design with intelligent programming and robust system architecture.

Our expertise covers:

- Tailored PLC and SCADA Programming  
Customized automation logic for specific operational needs
- I/O Mapping and P&ID Interpretation  
Accurate translation of engineering schematics into functional systems
- Redundant Control System Design  
High reliability architectures for mission critical operations
- Custom HMI Interfaces  
User friendly operator panels for efficient control and monitoring
- Secure Industrial Networking  
Cybersecure connectivity for industrial environments
- Compliance with Offshore, Marine, and Data Centres Standards  
Adhering to strict international regulations
- Explosion Proof Panel Capabilities  
Expertise in **Ex-de, Ex-e, and Ex-p** designs for hazardous locations

Our work spans sectors such as:

- Oil & Gas (Onshore facilities & FPSO vessels)
- Marine & Offshore Systems
- Power Generation & Clean Energy
- Building Management Systems (BMS)
- Data Centres & Industrial Automation

Our Commitment:

- Deliver **high integrity control systems** that meet **international standards**
- Support clients **from concept through commissioning**
- **Innovate** across electrical, software, and integration layers
- **Empower local talent** with global class engineering capabilities

## What Sets Us Apart

- **Certified Engineering**  
A skilled team with proven experience in offshore, industrial, and marine grade systems
- **Turnkey Delivery**  
From I/O mapping, P&ID interpretation to complete SCADA deployment
- **Compliant Systems**  
Designed for IECEx, ATEX, ABS, and DNV certified environments
- **Responsive Support**  
Rapid technical assistance and remote troubleshooting capability

## Sectors We Serve

- Oil & Gas (FPSO, refinery, onshore)
- Power & Renewable Energy
- Marine & Offshore Systems
- Industrial Automation
- Data Centres & Critical Infrastructure
- Water Treatment & Building Automation

# HOME

## Hero Section (Header Utama)

**Innovative Control Systems. Engineered for Critical Industries.**

Empowering offshore, energy, and infrastructure sectors with smart, reliable control panel and PLC solutions.

[!\[\]\(e2376d476d06eb31946dc01a69a4403a\_img.jpg\) Get a Quote](#)   [!\[\]\(bbb3388d591ef640dd8a8c4262f2866a\_img.jpg\) See Our Projects](#)

## What We Do / Our Capabilities

From explosion proof panels to PLC & SCADA integration. EPBOX ENGINEERING delivers intelligent systems designed for safety, control, and performance.

### Our Capabilities:

- Panel Engineering (LV, MCC, PLC, HMI solution)
- PLC & SCADA Programming
- ATEX & Offshore Compliance
- Custom HMI Design
- Industrial Networking

## Industries We Serve

Trusted across sectors where failure is not an option:

- Oil & Gas (FPSO, Refinery, onshore facilities)
- Marine & Offshore Systems
- Data Centres & Industrial Automation
- Power Generation & Clean Energy
- Water Treatment & Building Infrastructure

## Project Highlights / Experience

We support global engineering companies in delivering mission critical systems.

- MODEC FPSO  
Fire Fighting Control Panels
- Google Data Centre  
Power & PLC Systems
- IndoCement  
SCADA Scrubber Integration

Visual: Project thumbnails / logo carousel.



## Why Choose EPBOX?

- Compliant with IECEx, ATEX, DNV, ABS
- Custom engineering based on your P&ID
- Remote commissioning & global support
- Strong partnerships with Siemens, ABB, Omron

Ready to partner on your next control panel project?

Talk to our engineering team today.

**Button:**

-  "Get a Quote"
-  "See Our Projects"

## Latest Insights / Blog Highlights

(automatically pulled from blog)

- How to Select the Right Explosion Proof Panel
- Designing Offshore Networks Best Practices

## Location & Contact Preview

Singapore:

1 Sunview Road Ecotech@Sunview #06-39 Singapore 627615

Indonesia

Indonesia :

Warna Jaya Business Park blok A1-06, Kota Batam, Kepulauan Riau 29432

Email: [sales@epbox-engg.com](mailto:sales@epbox-engg.com)

Phone: +62 811 7008 8989

# Our Services

At EPBOX ENGINEERING, we deliver **precision automation systems** from **initial concept** through **final handover**, ensuring every project meets the highest standards of safety, performance, and reliability.

We provide **full technical support and troubleshooting** throughout the project execution phase.

~~Once the system is handed over, it is considered complete and no post-handover maintenance or support services are provided.~~

## Custom Control Panel Design & Fabrication

Smart, durable, and fully customized panels designed to meet your operational requirements.

Our capabilities include:

- **Power Distribution Panels**
- **PLC Panels**
- **Motor Control Centers (MCCs)**
- **Explosion-Proof Panels (Ex-de, Ex-e, Ex-p)**

All designs comply with **IEC, NEMA, and ATEX** standards.

## PLC & HMI Programming

We create reliable control logic and **user-friendly HMI interfaces** using leading automation platforms, including:

- **Siemens**
- **Omron,**
- **Schneider**



- Allen Bradley,
- Mitsubishi.

## **System Integration & Commissioning**

From electrical design to field I/O mapping, we integrate systems across all layers ensuring smooth operation until handover.

## **Testing & Quality Assurance**

Every project undergoes:

- Factory Acceptance Testing (FAT)
- Functional Testing
- Comprehensive Documentation

We guarantee your system is fully operational and ready for deployment upon handover.

# Our Projects

Each project we deliver represents our commitment to engineering excellence, operational reliability, and client success. From offshore control panels to factory automation systems, our work speaks for itself.

## ◇ FPSO Fire & Gas Control Panel

**Scope:** Design, fabrication, and FAT for an Explosion proof Fire & Gas panel installed on a Floating Production Storage and Offloading (FPSO) vessel.

### Highlights:

- ATEX certified components
- Fully integrated with ship SCADA
- Commissioned offshore in collaboration with marine EPC

## ◇ Smart Factory Retrofit PLC & HMI Integration

**Scope:** System upgrade of legacy machines into a centralized control network using modern PLCs and HMIs.

### Highlights:

- Zero downtime implementation
- Multi brand PLC integration (Allen Bradley & Siemens)
- Central SCADA control with real time monitoring

## ◇ Cleanroom Panel & Power Management System

**Scope:** Design and supply of Power Distribution Panels (LV) and local control cabinets for critical cleanroom operations.

### Highlights:

- Compact layout design for limited space
- Surge & noise protection for sensitive equipment
- Integration with building's BMS

## ◇ Data Centre Generator Control Panel

**Scope:** PLC based generator control panel for automated backup power switching.

### **Highlights:**

- Failover logic programming
- Load sharing and real time status
- Redundant wiring architecture

*All projects delivered with factory acceptance test (FAT), technical drawings, and full documentation.*

 *More projects and case studies available upon request.*

# Website Section: Testimonials

What Our Clients Say

Testimonial Card #1

**“They didn’t just build a panel they engineered a complete solution. Their system worked flawlessly from Day 1.”**

**– Project Engineer, EPC Contractor (Oil & Gas)**

# 1. Homepage (Beranda)

**Tujuan:** Menarik perhatian pertama, membangun kepercayaan, dan mengarahkan pengunjung ke konsultasi/proyek.

Yang Disampaikan:

- **Hero Tagline + CTA**
- *"Beyond Boundaries. We Command Control."*  
Tombol: [Request Consultation] / [See Our Projects]
- **Intro Ringkas (About Preview)**
- Perkenalan singkat siapa EPBOX dan industri yang dilayani
- **Layanan Unggulan (Services Preview)**
- Panel Custom, PLC & SCADA, Retrofit
- **Klien / Industri**
- Logo atau ikon industri: Oil & Gas, Manufacturing, Data Centers
- **Testimoni Singkat**
- Kutipan kepercayaan klien
- **CTA di Bawah**
- [Talk to Our Engineer] / [Request Quote]

# 2. About Us

**Tujuan:** Memberikan kredibilitas, menceritakan latar belakang, nilai, dan keunggulan.

Yang Disampaikan:

- **Profil Singkat Perusahaan**
- Sejarah, lokasi strategis Batam, layanan industri
- **Visi & Misi**
- *Vision: One Stop Solution for Smart Automation*  
*Mission: From concept to commissioning with global-class innovation*
- **Nilai Perusahaan**

- Safety – Precision – Simplicity – Performance
- **Keahlian Utama (Core Expertise)**
- I/O Mapping, HMI, P&ID, Ex Panel, Industrial Networking
- **Area Industri yang Dilayani**
- Onshore, Offshore, Clean Energy, Automation, BMS Infrastructure

### 3. Services

**Tujuan:** Menjelaskan layanan teknis utama dengan struktur rapi dan profesional.

**Yang Disampaikan:**

- **Panel Design & Build**
- Dari wiring diagram hingga FAT dan dokumentasi
- **PLC & HMI Programming**
- Siemens, Mitsubishi, Omron
- **SCADA & Remote Access**
- Monitor & kontrol jarak jauh
- **Retrofit & Upgrade**
- Integrasi sistem lama dengan solusi modern
- **System Design Support**
- Membantu dari tahap desain hingga commissioning
- **✗** Tidak ada layanan after sales/maintenance
- (hanya support selama proyek berlangsung)

### 4. Projects / Portfolio

**Tujuan:** Menunjukkan kemampuan real dan pengalaman lapangan.

**Yang Disampaikan:**

- **Foto & Nama Proyek**
- Misal: *SCADA for FPSO Compressor Station, 2024*
- **Deskripsi Singkat Proyek**

- Tujuan, tantangan, dan hasil
- **Teknologi yang Digunakan**
- PLC brand, SCADA layer, panel type
- **Industri / Lokasi Proyek**
- Offshore, Cleanroom, Oil & Gas
- Optional: Filter by industry

## 5. Catalog / Products

**Tujuan:** Menyediakan detail produk panel dan solusi siap pakai.

**Yang Disampaikan:**

- **Produk per Kategori**
- Power Panel, MCC, PLC Panel, LCP, Explosion Proof
- **Spesifikasi Teknis Ringkas**
- Tegangan, IP rating, fitur
- **Gambar Panel / Brochure Download**
- Format PDF
- Tombol: [Download Catalog] atau [Request via Email]

## 6. Testimonials

**Tujuan:** Memperkuat kepercayaan dengan pengalaman klien.

**Yang Disampaikan:**

- **Kutipan Klien**
- “Fast, precise, and helpful. Our SCADA retrofit ran flawlessly.”
- **Identitas Klien (opsional)**
- Jabatan dan industri
- **Tampilan Carousel atau Grid**
- Desain elegan dan simple

## 7. Contact Us

**Tujuan:** Konversi langsung menjadi prospek.

**Yang Disampaikan:**

- **Form Kontak**
- Nama, email, perusahaan, kebutuhan
- **Email & WhatsApp Button**
- **Alamat Kantor**
- Lokasi di Batam, Kepulauan Riau
- Tautan ke LinkedIn / Social Media

## **8. Optional: Blog / Insights (jika ingin SEO)**

**Tujuan:** Memberikan edukasi dan menarik traffic pencarian Google.

**Topik yang Bisa Dibahas:**

- Apa itu Panel SCADA?
- Perbedaan PLC Omron vs Siemens
- Tips Merancang Panel Tahan Ledakan
- Bagaimana Retrofit Menyederhanakan Sistem Lawas