ATS
ADVANCED TECHNOLOGY SOLUTION

SYSTEM INTEGRATION · INDUSTRIAL ELECTRICAL · AUTOMATION

From the electrical panel to OEE data on the plant manager's desk

15+
years of engineering experience

50+
business customers

200+
projects delivered

Figures per ATS capability profile, including the team's experience before the company was founded.



Who we are

ATS designs electrical panels, programs PLCs, retrofits legacy machines and brings production data onto one screen connected to ERP. Our team combines engineering (electrical, PLC/SCADA, networking, IoT) with production management (OEE, planning, ERP), so machine data reaches decision makers directly.

One partner for all 5 layers (ISA-95)

Enterprise / ERP	✓ Delivered by ATS
OEE / MES	✓ Delivered by ATS
SCADA / HMI	✓ Delivered by ATS
Network & IoT	✓ Delivered by ATS
Electrical & PLC	✓ Delivered by ATS

Six service lines

Industrial electrical

MCC, automatic transfer switch, distribution and capacitor panels; plant electrical works.

Automation & retrofit

PLC/HMI/SCADA programming, IPC-to-PLC migration, obsolete PLC replacement, servo, VFD.

OEE / MES & IoT

Part counting, downtime reason codes, line displays, ERP integration.

Energy

Per-machine metering, energy saving, rooftop solar for factories.

Maintenance (AMC)

Periodic inspection, thermal imaging, program backup, remote support.

Plant network & security

Industrial Wi-Fi, fibre, CCTV, access control.

Start small, fixed price agreed upfront

Thermal inspection of electrical panels
No shutdown; report within 3 working days.

Two-week machine loss survey
No hardware installed; top 3 actions to fix first.

Compressed-air leak detection
No fee if annual savings are below the survey fee.

Legacy PLC backup
Program backup and critical spare-parts list.

Engineering capability

Platforms we have worked on

Mitsubishi	FX1N, FX3U, FX5U, Q series
Siemens	S7-300
ABB	AC500, ABB drives
Beckhoff	CX5100
Networks & data	Modbus RTU/TCP, industrial Ethernet, IoT gateways

Standards & handover

- Panels designed to IEC 61439
- Production data structured per ISA-95; standard OEE definition
- Handover: I/O list, as-built drawings, backed-up programs, Vietnamese operating guide
- NDA on every project; data belongs to the customer

Site safety at FDI plants

- Work permits and risk assessment for every task
- Lock-out / tag-out before any work
- Working at height: harness, certified ladders
- PPE and tool checklist before site entry

7-step process with factory acceptance test

1	2	3	4	5	6	7
Survey	Design	Build & program	FAT at ATS workshop	Installation	SAT & acceptance	Maintenance

Selected projects (customer names withheld under NDA)



OEE display on the shop floor



VFD panel wired by ATS


Automatic labeller with barcode reading

OEE system for filling lines

FDI paint plant

Data from multiple PLC generations (Mitsubishi, Siemens, ABB, Beckhoff), downtime reason codes, OEE displays on the floor; extended to a second plant.

Extruder control migrated from IPC to PLC

FDI paint plant · Retrofit

Control redesigned on PLC while keeping the mechanics; full I/O documentation.

Automatic transfer switch panel upgrade

FDI paint plant · Electrical

New controller and transfer logic between grid and generator.

Contact

Email or Zalo us with your plant and the issue; an ATS engineer will reply within working hours.

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For reference only. ATS inspections do not replace statutory testing and certification.