



SELF-PACED CERTIFICATION FOR AUTOMATION ENGINEERS · ISRS-101

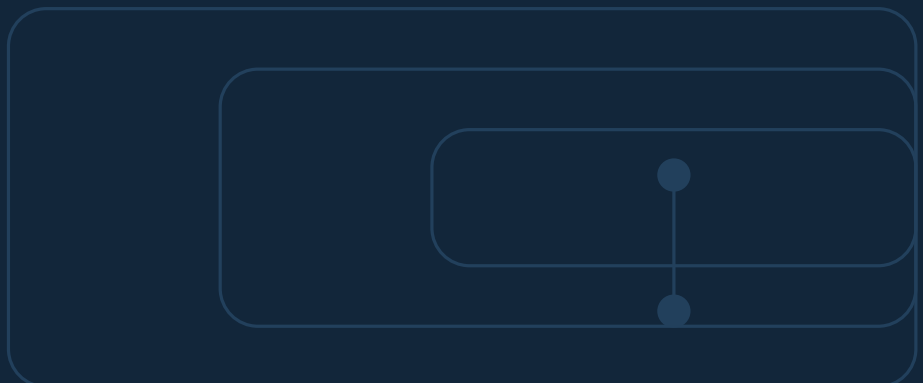
The safety passport every plant asks for at the gate

The Safety Passport gets an engineer through site induction with evidence in hand: hazards and controls, electrical safety, LOTO, permits, height and confined spaces, PPE, the Indian statutory framework and conduct on a customer's site. Online, self-paced, assessed unit by unit, and it ends in a QR-verifiable certificate.

ISRS-101

Industrial Safety Essentials for Engineers

10 units · about 4 hours · 50-question final ·
launch offer to 2 Oct 2026: ₹2,499 **₹999** incl. GST



Built by an automation company, not a content studio

WonderSys has delivered PLC, SCADA and DCS projects for two decades. The academy exists because the people we commission plants with are the people we could not hire ready-made. Everything in this course is what our own engineers are required to know before they go to site.

WonderSys Automation

- Schneider Electric Resource and Digitalization Partner; AVEVA Resource Partner.
- Control-system design, panel building, PLC, SCADA, DCS and safety-system integration across steel, power, water, process and public-sector manufacturing and research establishments.
- Our own engineers go through this content before their first site visit; the permit, LOTO and conduct rules are the ones our customers hold us to.
- Our engineers answer tender pre-qualification questionnaires, customer audits and FAT/SAT clauses every month.

WonderSys Academy

- Hands-on training on real industrial panels: Siemens, Allen Bradley, Schneider Electric, ABB, Mitsubishi, Delta, Omron. Never simulations, never stock imagery.
- 500+ engineers trained; instruction in six languages; placement assistance with system integrators and OEM partners.
- Faculty who commission plants for a living and teach between projects.
- Certificates issued by our own LMS, verifiable by QR code, valid two years.

NEED OF THE HOUR

Why this subject, and why now

Safety induction decides whether you enter the plant at all.

Permit-to-work, lock-out tag-out, arc-flash awareness and confined-space rules are enforced at the gate. Customers expect a contractor's engineer to arrive already trained, with evidence, not to learn on the job.

Automation engineers work where the hazards are.

Live panels, running machinery, mezzanines, tanks and pits: commissioning and service work happens inside the guarded zone, often while production continues. Most engineering syllabi never cover how to do that safely.

The law holds the contractor responsible too.

The Factories Act and state rules place duties on the occupier and on every contractor on site. An incident with an untrained engineer becomes a legal problem for both employers.

Employers hire for site-readiness, not just programming.

The gap between a fresh graduate and a billable engineer is largely conduct and safety discipline. Closing it is the fastest route to placement and to the next salary band.

Industry expectation versus what engineers bring

Tender clauses are only the visible part. The expectation runs through pre-qualification, site entry, conduct, documentation, audits and handover. Each row is a place we have watched capable engineers fall short, and the unit that closes it.

Where	What industry expects	What most engineers bring	Closed by
Site entry	Safety induction, valid permits, LOTO competence, PPE, confined-space and height awareness.	Assumes the customer will supply and explain everything.	ISRS 1, 3, 4, 5, 6
Electrical work in panels	Arc-flash awareness, isolation and proving dead, live-work rules.	Working live because the line cannot stop.	ISRS 2
Working on a customer's network	Basic cyber hygiene: no unknown USB, no shared passwords, no unapproved remote tools.	Personal laptop straight onto the control network.	ISRS 8
When something goes wrong	Incident first-hour actions, near-miss reporting, recovery from verified backups.	Silence, then improvisation.	OTCS 9; ISRS 9
Statutory and customer audits	Factories Act duties, contractor obligations, documentation that survives an audit.	Unaware of the law; documents assembled after the fact.	ISRS 7; OTCS 10
Conduct on a customer site	Professional handover, credentials returned, escalation done properly, customer confidence kept.	Good engineering undone by poor site behaviour.	ISRS 10; OTCS 8

OUTCOME OF THE LEARNING

What changes after the passport

- You walk onto a site already inducted in the customer's language: permits, LOTO, PPE, height and confined-space rules.
- You can isolate, prove dead and refuse live work you have not been authorised for.
- You know the Indian statutory framework your employer and the plant work under.
- You know the first hour of an accident and how to report a near miss.
- You behave on a customer's site the way the customer expects, and the customer asks for you again.
- You carry a QR-verifiable Safety Passport a customer can check at the gate.

Industrial Safety Essentials for Engineers

The safety passport every plant asks for before they let you touch anything.

Who it is for

Fresh automation and electrical engineers going to site for the first time; contractor engineers who need documented safety training before induction; supervisors who sign permits for them.

What you will be able to do

- Identify hazards on a plant floor and apply the hierarchy of controls before reaching for PPE.
- Work safely in and around live panels: isolation, proving dead, arc-flash awareness and the rules for live work.
- Carry out lock-out tag-out correctly, and refuse work that is not locked out.
- Work under a permit-to-work system: what a permit covers, who signs, when it lapses.
- Recognise work-at-height and confined-space situations and the controls each demands.
- Select, inspect and wear the right PPE for the task.
- Know the Indian statutory framework that governs your work and your employer's duties.
- Practise basic OT cybersecurity hygiene on a customer's network (the bridge to OTCS-201).
- Respond to and report incidents and near misses; conduct yourself as a professional on a customer's site.

The 10 units

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| 1 Industrial hazards and the hierarchy of controls | 6 Personal protective equipment |
| 2 Electrical safety for automation engineers | 7 The Indian statutory framework |
| 3 Lock-out tag-out (LOTO) | 8 OT cybersecurity awareness (IEC 62443) |
| 4 Permit-to-work systems | 9 Incident response and reporting |
| 5 Work at height and confined spaces | 10 Site professionalism and customer conduct |

How it works

Ten narrated video units, about 2 h 50 min of video and about 4 hours with the quizzes. 70% on each unit quiz unlocks the next, unlimited retakes. 75% on the 50-question final earns the Safety Passport, verifiable by QR code and valid two years.



LAUNCH OFFER · ENDS 2 OCTOBER 2026

₹2,499 ₹999

incl. GST · lifetime access · list price ₹2,499 from 3 October 2026

Scan to enrol, or visit academy.wondersysautomation.com/courses/industrial-safety

Awareness-level training that complements, and does not replace, the site-specific induction each plant runs. Keep the certificate with your induction records.

Enrolling takes a minute. Pay once on the academy site (UPI, card or net banking through Razorpay). Your LMS login is created automatically and emailed to you the moment payment succeeds; the first unit is open immediately.

Talk to us.

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