PEATS

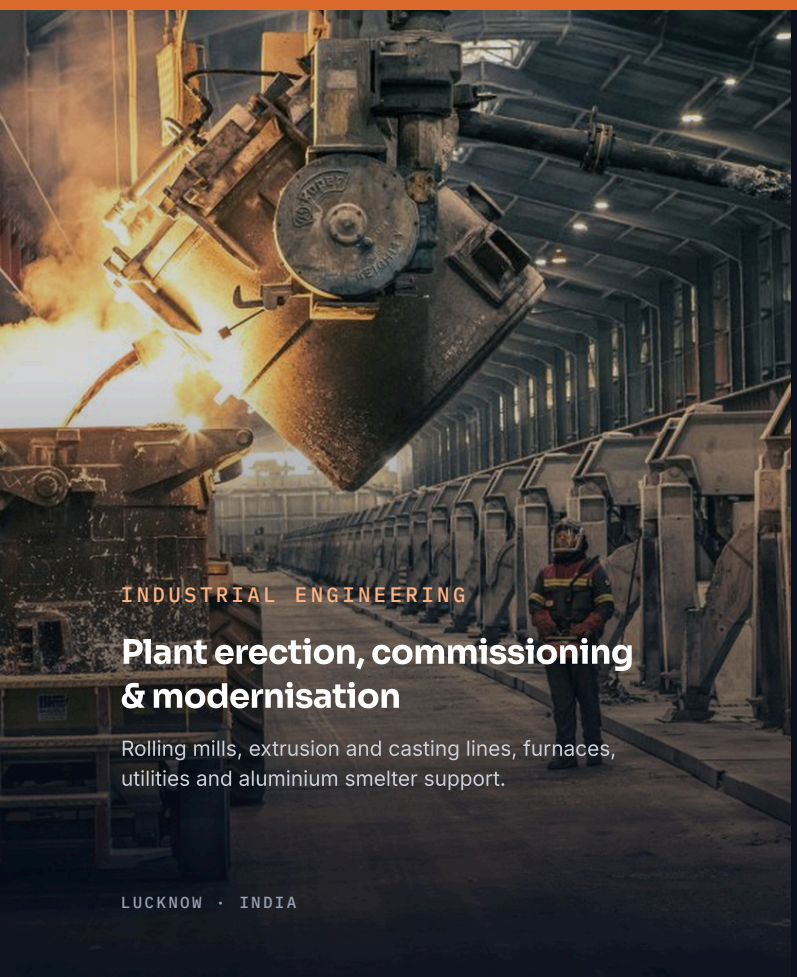
PARTHASARTHI ENGINEERING & TRAINING SERVICES

COMPANY BROCHURE · 2026

INDUSTRIAL ENGINEERING · DIGITAL CYBERSECURITY

Industrial engineering and digital security, delivered with precision.

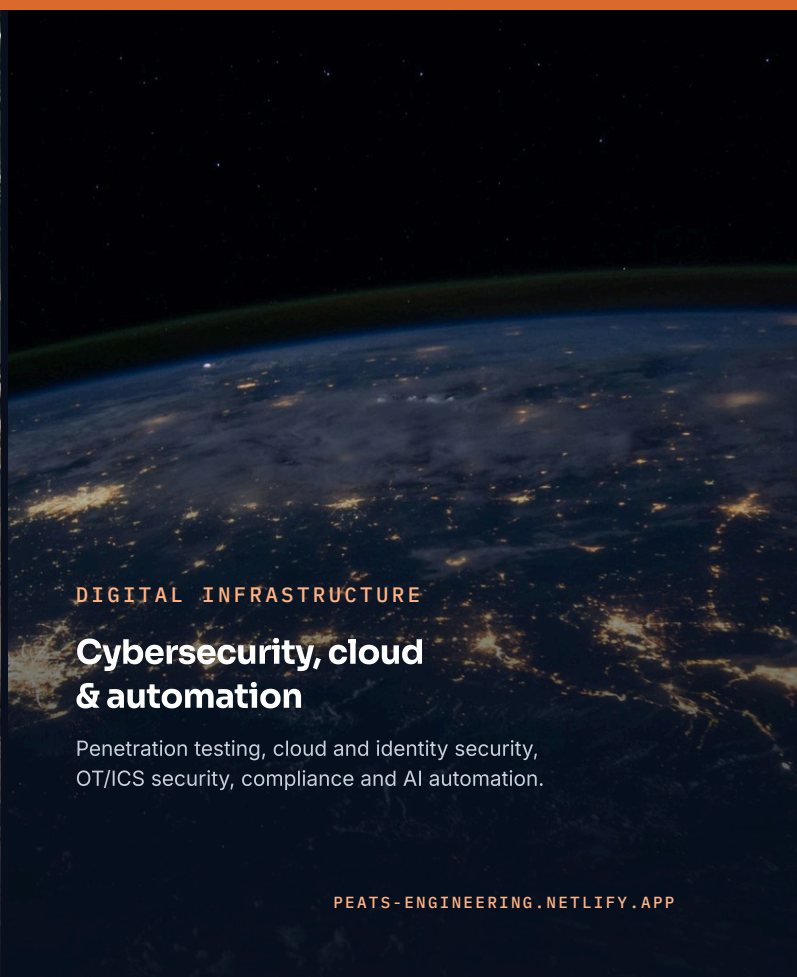
We erect, commission and modernise heavy-industry plants — and, through an independent digital team, test, secure and automate IT, cloud and operational-technology environments.



INDUSTRIAL ENGINEERING

Plant erection, commissioning & modernisation

Rolling mills, extrusion and casting lines, furnaces, utilities and aluminium smelter support.



DIGITAL INFRASTRUCTURE

Cybersecurity, cloud & automation

Penetration testing, cloud and identity security, OT/ICS security, compliance and AI automation.

LUCKNOW · INDIA

PEATS-ENGINEERING.NETLIFY.APP

Two specialist teams. One standard of delivery.

ParthaSarthi Engineering & Training Services (PEATS) is a Lucknow-based company with two independent divisions: **Industrial Engineering**, which plans, erects, commissions and modernises heavy-industry plants, and **Digital Infrastructure & Cybersecurity**, which tests, secures and automates IT, cloud and operational-technology environments. Technical training runs alongside both.

80+
YEARS COMBINED EXPERIENCE

100+
PROJECTS COMPLETED

95%
CLIENT SATISFACTION

INDUSTRIAL ENGINEERING

Plants built, aligned and handed over ready to run

Mechanical, piping and electrical erection through pre-commissioning, trials and handover, for new plants, revamps and shutdown-window modernisation.

- Rolling mills, extrusion and casting lines
- Furnaces, utilities and material handling
- Aluminium smelter and refinery support
- Turnkey project management, EHS and maintenance

DIGITAL & CYBERSECURITY

Security engineering for IT, cloud and plant networks

An independent team that works with any organisation, whether or not it operates a plant. Scoped in writing, evidenced in the report, re-tested before close.

- Penetration testing and vulnerability assessment
- AWS and Azure security, identity and access
- OT/ICS security, ISO 27001 and NIST CSF
- Incident response, DevSecOps, n8n and AI

One accountable partner

A single team answerable from first scope to handover.

Real technical depth

Heavy-industry and aluminium specialists, security testers and cloud engineers.

Evidence you can audit

Method statements, test results and reports written to be checked.

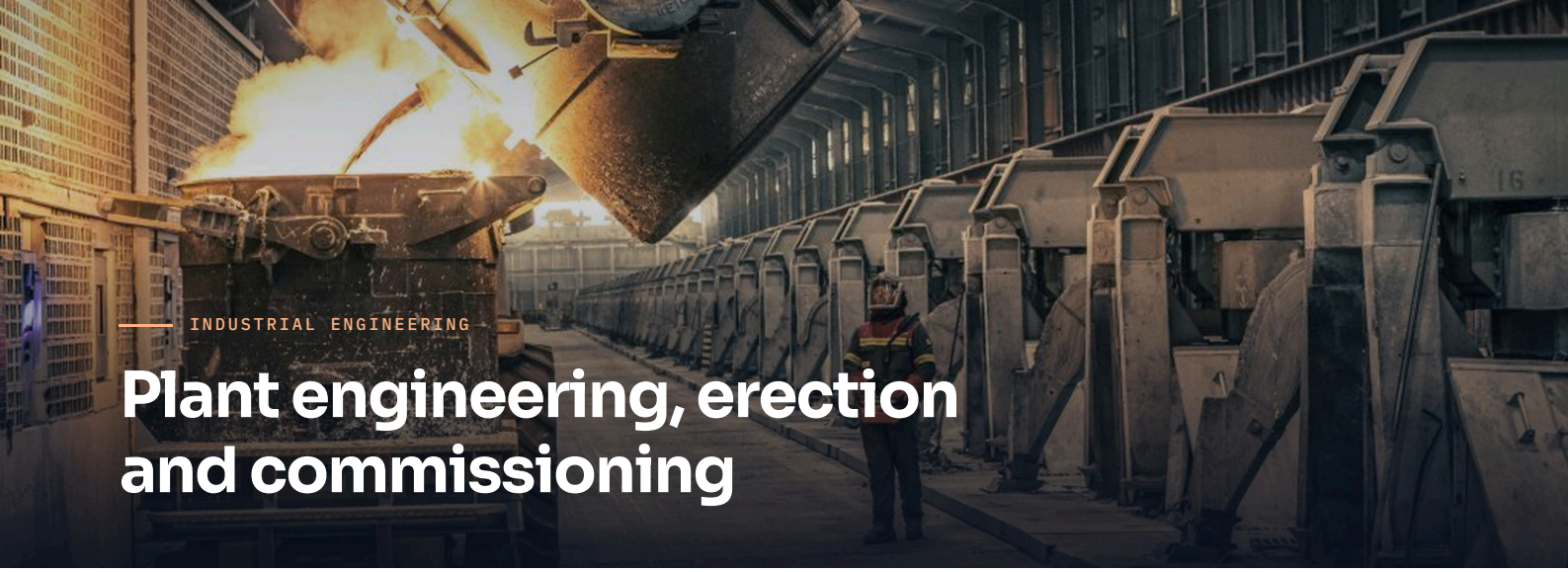
Capability handover

Training so your own people run and protect what we deliver.



PROJECT ETERNIA

Production floor, engineered and commissioned by PEATS.



INDUSTRIAL ENGINEERING

Plant engineering, erection and commissioning

We plan and execute mechanical, piping and electrical erection through pre-commissioning, trials and handover — for new plants, revamps and shutdown-window modernisation. Safety, maintenance and project-management specialists work inside the same team.

ERECTION · ALIGNMENT · COMMISSIONING

Plant Engineering & Erection

Planned as one integrated system, from first survey to handover.

- **Rolling mills** — hot and cold mill erection, alignment and modernisation
- **Casting & furnaces** — continuous casting plants, melting and homogenising furnaces
- **Extrusion & processing** — presses, cut-to-length and slitting lines
- **Infrastructure planning** — material flow, utility and layout engineering

UTILITIES · PIPING · FIRE SAFETY

Plant Utilities & Infrastructure

The systems that keep a plant breathing, moving and safe.

- **Lifting & handling** — EOT, single-girder and jib cranes; transfer trolleys
- **Compressed air & blowers** — centrifugal, reciprocating and screw compressors
- **Piping** — IBR, non-IBR and HDPE air and water systems
- **Fire & safety** — hydrant networks and firefighting systems

SMELTERS · REFINERIES · ROLLING

Aluminium & Heavy-Metal Expertise

Delivered with global OEM partners and proven overseas technology.

- **Casting systems** — slab and billet continuous casting
- **Extrusion presses** — set-up across international equipment platforms
- **Melting furnaces** — execution with proven overseas technology
- **Refinery optimisation** — process improvement for large-scale facilities

MAINTENANCE · EHS · EFFICIENCY

Maintenance, Safety & Optimisation

Keeps a plant safe and productive after handover.

- **Power-plant maintenance** — preventive and corrective programmes
- **EHS management** — hazard identification, risk assessment, safety audits
- **Automatic alumina feeding** — patented 24×7 systems
- **Conveying & energy efficiency** — high-capacity upgrades

INDUSTRIES WE SERVE

Aluminium & non-ferrous smelting · Rolling & extrusion plants · Casting plants · Power generation · New plants & expansions · Manufacturing facilities

HOW WE DELIVER

From first survey to a plant your team can run

Full-scope turnkey projects, or a single phase — a revamp, utilities, or supervision of an existing contractor. Either way the sequence is the same, and every stage is documented.

Scope

Site survey, scope, schedule and method statements agreed up front.

Erect

Mechanical, piping and electrical erection with alignment checks.

Pre-commission

Dry runs, utility tie-ins and system trials.

Commission

Equipment brought to production readiness with your operators.

Hand over

Documentation, training and support for your team.

PROJECT SPOTLIGHT

Project Eternia

Client: Eternia (Hindalco Industries Ltd.)

Full-scope delivery from office interior fit-out to a production-ready aluminium fenestration plant — including precision machinery installation, compressed-air infrastructure, electrical commissioning and 5S floor zoning.

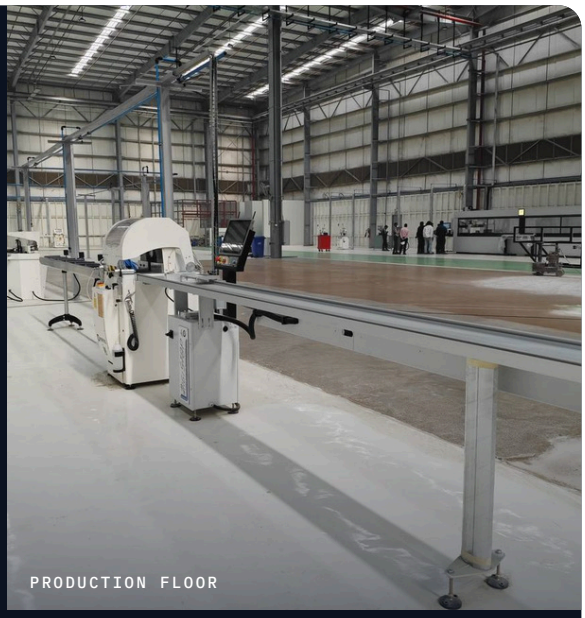
SCOPE DELIVERED

- Precision machinery installation (16+ machines)
- Compressed-air infrastructure
- Electrical commissioning
- 5S visual management and floor zoning
- Office interior fit-out and collaborative workspaces

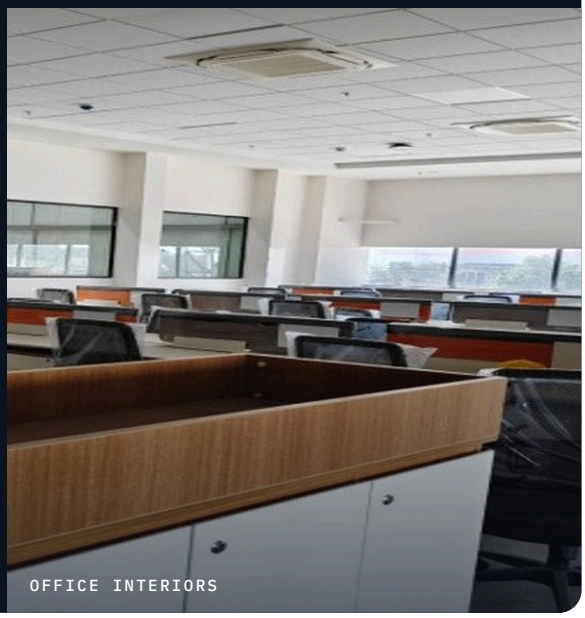
16+
MACHINES INSTALLED

2
ZONES: OFFICE + PLANT FLOOR

100%
READY AT HANDOVER



PRODUCTION FLOOR



OFFICE INTERIORS



DIGITAL INFRASTRUCTURE & CYBERSECURITY

Security engineering for IT, cloud and operational technology

An independent team that tests, hardens, monitors and automates the systems that run your business — whether or not you operate a plant. Eight disciplines, each delivered by specialists.

WEB · API · MOBILE · NETWORK · RED TEAM

Security Testing (VAPT)

- OWASP Top 10, API Top 10 and MASVS testing
- Network and Active Directory attack paths
- CVSS-rated findings, proof of exploit, re-test

AWS · MICROSOFT AZURE · CIS BENCHMARKS

Cloud Security

- Posture reviews against CIS Benchmarks
- Least-privilege IAM, keys and secrets hygiene
- Logging, detection and policy guardrails

OKTA · ENTRA ID · SSO · MFA · JML

Identity & Access Management

- SSO over SAML 2.0, OIDC and OAuth 2.0
- MFA and conditional access policies
- Joiner-mover-leaver and SCIM automation

IEC 62443 · PURDUE MODEL · SCADA · PLC

OT / ICS Security

- Passive discovery of PLCs, HMIs and drives
- IT / OT zones, conduits and DMZ design
- Secure vendor access, hardening, resilience

ISO/IEC 27001 · NIST CSF · DPDP ACT

Governance, Risk & Compliance

- Gap and risk assessment, SoA support
- Third-party and vendor risk assessment
- Audit-ready evidence, DPDP Act readiness

SIEM · MITRE ATT&CK · PLAYBOOKS

Detection & Incident Response

- Logging strategy and SIEM use-cases
- Playbooks for ransomware and credential theft
- Tabletop exercises, post-incident review

THREAT MODELLING · SAST · DAST · SCA

Secure Software & DevSecOps

- STRIDE-style design reviews
- Secure code review and pipeline security
- API and backend hardening (Python, Django)

N8N · RAG · LLM SECURITY · PYTHON

Automation & AI

- n8n workflows and REST integrations
- Retrieval-grounded assistants with access control
- Prompt-injection and data-leakage testing

NOT SURE WHERE TO START?

Book a free security consultation — a 59-minute video call with our lead.

Book a time →

HOW A DIGITAL ENGAGEMENT RUNS

Scoped, evidenced and re-tested

Every engagement starts with written rules of engagement and ends with an independent re-test, so you know each finding is closed — not just reported.

01
Scope
Rules of engagement, asset list, threat model and success criteria agreed in writing.

02
Assess
Manual and automated testing, configuration and architecture review, control-gap analysis.

03
Remediate
Findings ranked by CVSS and business risk, with hands-on help to fix them.

04
Validate
An independent re-test confirms closure, recorded in a close-out report.

05
Operate & train
Runbooks, monitoring baselines and training so your team keeps the gain.

WHAT YOU RECEIVE

Reporting your engineers and your board can both use

Executive summary	Plain-language view of risk and priorities.
Technical report	CVSS-scored findings, assets, impact, reproduction steps.
Evidence	Requests, screenshots and proof of exploit to verify each issue.
Remediation guidance	Step-by-step fixes ordered by risk.
Re-test & close-out	Independent confirmation each finding is closed.
Debrief & handover	Walkthrough, runbooks and monitoring baselines.

WHO WE WORK WITH

Any organisation that runs software, cloud or identity systems

- **SaaS, IT services and software** companies needing client-grade security evidence
- **Cloud-first and enterprise** teams on AWS, Azure, Okta or Entra ID
- **Regulated and audit-driven** firms: finance, fintech, healthcare
- **Manufacturers and plants** with connected control systems
- **Start-ups and SMEs** needing a first assessment or automation

FRAMEWORKS WE WORK TO

ISO/IEC 27001 · NIST CSF · IEC 62443 · OWASP Top 10 & ASVS · CIS Benchmarks · MITRE ATT&CK · DPDP Act 2023

TOOLING AND PLATFORMS

Burp Suite · Nessus · OpenVAS · Nmap · Metasploit · Wireshark · Nikto · Okta · Microsoft Entra ID · AWS · Azure · n8n · Python

Frameworks and tools listed are those we assess against and work with. They describe our method, not a certification held by PEATS.

Experience you can meet, and skills we leave behind

Technical training is built into how we work, so your teams can run and protect what we deliver. Sessions run on-site and are tailored to your equipment and systems, not taught from a generic syllabus.

Graduate engineer induction

Structured onboarding into plant systems and maintenance discipline.

Equipment-specific maintenance

Cranes, compressors, blowers, furnaces and conveying systems.

5S & shop-floor management

Visual management and workplace organisation.

Quality & production efficiency

Practical programmes for output and consistency.

Cybersecurity awareness

For plant and office teams, including OT briefings.

PROJECT DELIVERY & COMMISSIONING

Senior plant leaders and power-plant operations specialists who deliver projects end to end, from erection to maintenance and safety.



Ramkaran Yadav
Founder & COO



Ajay Shankar Amist
Team Lead – Project Management



Pramod Kumar Singh
Power Plant Operations Lead



Padma Kant Sharma
Lead – Power Plant Equipment Maintenance



Surendra Narayan Rai
Team Lead – EHS

DIGITAL INFRASTRUCTURE & SECURITY

Penetration testing, identity, cloud and AI engineering.



Sanskar Yadav
Vulnerability & Penetration Tester



Abhishek Gohe
IAM Consultant



Kushagra Indurkhiya
Cloud System Engineer

HJ

Hardik Mahendra Jangde
Python Backend Developer · AI/ML & LLM Applications

SALES

Marketing and sales.



Utkarsh Srivastava
Marketing & Sales Lead

SAFETY FIRST

EHS-led delivery

Safety leadership sits inside the delivery team, not outside it.

EVIDENCE

Nothing taken on trust

Method statements, test results and re-tests you can audit.

SKILLS THAT STAY

Handover with training

Your people learn to run and protect what we deliver.

LET'S TALK

Tell us about your plant, your systems or your deadline.

A free initial consultation lets us understand the scope first. We then propose an approach, a scope and a budgetary estimate — no obligation.

EMAIL

Parthasarthiconsultancy@gmail.com

LOCATION

Lucknow, Uttar Pradesh, India

Teams work on-site across India

WEBSITE

peats-engineering.netlify.app

LINKEDIN

linkedin.com/company/parthasarthiengineeringandtrainingservices

Book a free consultation

59-minute video meeting with our lead. Scan to pick a time.

topmate.io/parthsaarthi_engineering

Share your requirements

A two-minute online brief; the right specialist on our team replies. Scan to open the form.

peats-engineering.netlify.app/share-requirements

PEATS

PARTHASARTHI ENGINEERING & TRAINING SERVICES

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