

PILLAR 01

Engineering Services

AI-enabled CAD and CAE services, spanning Wiring Harness Design (WHD), Casting Simulation, FEA, NVH, and CFD, delivered cost-competitively from Forar Tech's low-attribution delivery center in Coimbatore, India.

CAPABILITIES

- Wiring Harness Design (WHD), Casting Simulation, FEA, NVH, CFD
- Parts library creation and imperial/metric conversion support, with attention to country-specific dimensional standards
- Jigs and fixtures design for robotic manufacturing cells (automated welding, painting)

KEY DIFFERENTIATORS

- **Senior engineering bench:** every team member holds a graduate or postgraduate degree, with hands-on experience at large global manufacturers; no handholding required
- **Independent ownership:** engineers work autonomously against client requirements, advising on parts library creation and standards
- **Specialized capability:** greenfield design, complex engineering problem solving, and large jigs and fixtures for robotic manufacturing cells

PILLAR 02

IT Services

Full-stack IT services spanning ERP, Microsoft platform engineering, QA, digital solutions, and managed services, through a blended onshore/offshore model anchored by an ISO 27001-compliant delivery campus in Coimbatore, India.

SCOPE OF SERVICES

- **ERP:** SAP, Oracle/JDE, Dynamics AX/365; S/4HANA implementation, upgrades, and migrations; AMS/managed support; Fiori & UI5 development; 800+ person-years of SAP experience
- **Microsoft & Digital:** .NET, Angular, Node.js, Azure cloud & API engineering, Dynamics CRM, SharePoint, BI (Power BI, SSRS/SSAS/SSIS), and mobility (iOS/Android/cross-platform, IoT)
- **E-Commerce for Manufacturers:** SAP Commerce Cloud for B2B storefronts and catalog/pricing management; Shopify for B2C, including showroom integrations and platform migrations
- **Testing, QA & Managed Services:** independent QA/testing (automated and manual), SLA-driven 24x7 support, incident/change management, DevOps transformation

KEY DIFFERENTIATORS

- **Deep SAP bench strength:** 800+ cumulative person-years of SAP experience, plus proprietary tools like SAP IDOC Manager
- **Proven modernization track record:** migrated a top-5 Senior Living operator from a monolithic on-prem system to a cloud-based, microservices SaaS platform with SSO and multi-tenant onboarding
- **Delivery excellence:** 24x7 global support with zero Severity 1 incidents on long-running engagements, and low-attribution offshore teams for consistency

End-to-end value chain

Engineering (CAD/CAE/PLM) through IT (IoT, data warehousing) to AI, for a complete design-to-decision cycle

Talent-first delivery

A dedicated talent acquisition function keeps attrition well below India IT-industry norms

Proven & referenceable

Many of Forar Tech's clients across engineering, IT, and AI are referenceable

AI Products & Services

Enterprises are sitting on more data and AI ambition than they can operationalize: video data goes largely unused, and institutional knowledge sits scattered across systems, drifting further from reality with every release cycle. Forar Tech closes that gap through two independent, proprietary platforms, SPECTRA for video intelligence and SENTRA for enterprise intelligence, backed by full-stack Gen AI engineering and productized use cases like SmartHub.

PLATFORM 01 · VIDEO INTELLIGENCE

SPECTRA

A Gen AI video intelligence platform delivering near real-time incident detection, natural language Q&A on footage, and severity mapped alerts across hundreds of cameras.

- **Near real-time detection:** across 100s of camera feeds simultaneously
- **Natural language search:** ask footage a question, get an answer
- **Severity mapped alerting:** routes the right incident to the right team
- **Enterprise correlation:** cross-camera de-duplication reduces false positives at scale
- **Deployed across manufacturing, retail, transportation, healthcare, and smart cities**

100s

CAMERAS / DEPLOYMENT

5

VERTICALS LIVE

KEY DIFFERENTIATORS

01 Proprietary IP, not integrations

SPECTRA and SENTRA are ai-built, patent-pending platforms, not repackaged open source tooling stitched together.

03 Proven, quantifiable outcomes

60%+ reduction in review cycle time, 95%+ false positive reduction, and 99% document processing accuracy in production.

END-TO-END AI SERVICES

BUILD & MODEL

- Custom model development
- Conversational AI & small language models
- RAG & vector databases

OPERATE & SCALE

- Intelligent agents & content summarization
- BI & visualization
- MLOps / AI engineering

WHY FORAR TECH

AI is one part of an end-to-end manufacturing value chain spanning Engineering (CAD/CAE/PLM) through IT (ERP, IoT, data warehousing) to AI: capturing shopfloor signal, warehousing it, and applying AI across machinery, shopfloor, and business layers for a complete design-to-decision cycle. A talent-first delivery model keeps attrition well below India IT-industry norms, and the majority of Forar Tech's clients are referenceable.

CONTACT

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PLATFORM 02 · ENTERPRISE INTELLIGENCE

SENTRA

Smart Enterprise Neural Transformation & Reasoning Agents: an agentic AI platform combining advanced RAG, knowledge graphs, a conversational interface, and persistent enterprise memory.

- **Advanced RAG engine:** grounded in governed enterprise sources
- **Persistent memory:** compounds knowledge over time, not per session
- **Autonomous agents:** act on data, not just answer questions
- **Governed access:** aligns with enterprise security and compliance requirements
- **Built for knowledge management, document analysis, compliance, and decision support**

99%

DOC PROCESSING ACCURACY

1,000+

USERS, ANCHOR DEPLOYMENT

02 Agentic, not just generative

Autonomous agents act independently on video footage and enterprise data, reviewing and flagging issues rather than only answering questions.

04 Full stack AI engineering

From custom model development to MLOps, the platforms are backed by the services needed to deploy and run them at scale.