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CASE STUDY · MARLUC SYNOPSIS

Tata Steel Google Cloud AI agents

IMPLEMENTED 2025–2026 · MANUFACTURING AND INDUSTRIAL · INDIA · BAND C · CLAIMED ONLY

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Tata Steel says it deployed more than 300 AI agents on Google Cloud in nine months, across HR support, finance back-office work, plant safety, maintenance and complaint handling. The results come from a joint announcement with Google Cloud.

ABOUT THIS SYNOPSIS

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Facts and figures are as reported by the sources listed below, which may be incomplete, self-reported or out of date. Check the original source before relying on any figure.

The impact band, proof marker and SEAM view are MarLuc's opinion. The organisation is not a MarLuc client and has not reviewed or endorsed this synopsis. Names and trademarks belong to their owners.

NOTICE WORDING LAST UPDATED 16 NOVEMBER 2026

AT A GLANCE

AI used: AI agents built on Google Cloud, including Gemini and vision-language models.

Implemented: 2025–2026. Grade: band C, Process change, Claimed only.

Headline result, as reported: More than 300 AI agents in nine months; HR helpdesk resolves over 70% of routine tickets and complaint turnaround falls 50%, by Tata Steel and Google Cloud's account

1 · The case

The facts, as reported by the 3 sources listed at the end. Where a source is silent, the field says "Not reported".

Organisation

Tata Steel. Indian steelmaker and part of the Tata group, with operations on five continents, a consolidated turnover of around US$26 billion in the year to 31 March 2025 and an employee base of over 76,000, per the joint release. Canvas block: 4. Operations and process. Also 5. People and skills, 2. Data and technology.

Business challenge

The challenge. Tata Steel says its decades of operational data sat in fragmented tools. By its account, the aim was to move to a single, enterprise-wide system that turns that data into action, from maintenance to customer response times.

How it was addressed. Tata Steel built on Google Cloud: Zen AI, a low-code platform on Google's

Who implemented it

Google Cloud (Model or cloud provider): Supplied the cloud, data and agent platform and the models, per the joint release.
In-house (In-house): Built Zen AI and the Tata Steel Digital Assistant, by its account.
Any systems integrator is not reported.

Technology (SEAM pillar E)

SEAM types: T3 API integrations, T4 RAG / vector search over your own data, T7 AI agents. Deployment: Cloud APIs. Vendors and products: Google Cloud, Agent Development Kit, BigQuery, Cloud Storage, Cloud Run, Gemini, PaliGemma.

Where it was built in: Agents query operational data in BigQuery and Cloud Storage, enterprise systems and user files through the Tata Steel Digital Assistant; vision agents read live video feeds from high-risk zones.

What changed

Before: separate digital tools and manual back-office, helpdesk and complaint handling, by the company's account. After: agents handle routine tickets, invoice and contract tasks, safety monitoring and complaint routing. Staffing effects: Not reported. [1] [2] [3]

What it cost

Not reported

What it saved

By the joint release: more than 70% of routine HR helpdesk tickets resolved autonomously; average complaint turnaround time down 50%. No cost or financial saving is reported. [1] [2] [3]

Governance and control

The release describes Zen AI as a 'secure, governed framework' and says model use keeps 'strict lifecycle management and governance'. Accountable owner, human review of agent outputs, monitoring results and regulatory alignment: Not reported.

S2 · Accountable owner · Not reported
The chief information officer is quoted on the programme; an accountable owner for agent outputs is not reported. [1]

A1 · Safe use · Claimed
The release describes Zen AI as a secure, governed framework. [1]

A2 · Human in the loop · Not reported
Not reported.

A3 · Monitoring and assurance · Not reported
Not reported.

A4 · Vendor AI · Claimed
The release says model access on Google Cloud keeps strict lifecycle management and governance. [1]

A5 · Agent controls · Claimed
Agents are built through one governed platform; limits on what they may change are not reported. [1]

A6 · Standards and regulation · Not reported
Not reported.

What worked, what did not, what is unproven

WORKED

- More than 300 agents deployed in nine months, by the company's account.
- More than 70% of routine HR tickets resolved without a person, by the company's account.
- Complaint turnaround time down 50%, by the company's account.

DID NOT

- Not reported

UNPROVEN

- Whether the figures hold across all sites, and how they were measured.
- Cost, savings and the effect on jobs.
- How agent outputs on invoices, tax classification and safety alerts are checked by people.

Timeline

2025 Rollout begins; the April 2026 release says more than 300 agents were deployed 'in just nine months' [1]

Apr 2026 Tata Steel and Google Cloud announce an expanded partnership and the 300-agent deployment [1]

Apr 2026 Trade press repeats the joint statement, including the 50% complaint turnaround figure [3]

2 · Grade and SEAM assessment

MarLuc's opinion, made on the evidence above. How cases are graded: marluc.co.uk/case-studies/how-we-rate

Level of change and impact

Claimed: Not applicable. Grade: C, Process change. Proof: Claimed only. Level of change: Process change.

Process change (Level 2, band C). The sources describe redesigned processes in several functions; no change to roles, structure or cost base is reported.

Graded C. Agents now handle defined processes (HR tickets, invoice and contract work, complaint routing) with two reported measures, both from the company and its supplier. Graded on that account, as no independent check is published.

The SEAM view and lessons learnt

The reported strength is breadth: one data platform and a low-code route let teams outside data science build agents quickly. The matching risk is control, because the sources say little about who owns each agent, how outputs are checked, or how results were measured. For a larger organisation, the transferable point is to pair a fast build route with a register of agents, named owners and a baseline for each claimed gain.

1. Record a baseline before reporting a percentage gain.
2. Name an owner and a review step for every agent.
3. Keep a register of agents built by non-specialist teams.

Evidence

Score 1 of 4. Self-reported: the figures come from a joint release by Tata Steel and its supplier, repeated by trade press.

Evaluation method. Self-reported company figures: a joint company and vendor announcement; no baseline or independent check published.

Sources disagree. IT Brief says the rollout spans manufacturing, back-office, customer service and internal support. The release names the same areas without that summary. No source gives baselines for the 70% or 50% figures.

Status. Ongoing: expansion announced in April 2026.

3 · Original sources

Read these in full. To challenge a fact or a grade, use the contact form at marluc.co.uk or the link on https://marluc.co.uk/case-studies/tata-steel-google-cloud-agents

[1] Google Cloud Press Corner: Tata Steel Partners with Google Cloud To Deploy a Unified Agentic AI Across its Global Value Chain
https://www.googlecloudpresscorner.com/2026-04-22-Tata-Steel-Partners-with-Google-Cloud-To-Deploy-a-Unified-Agentic-AI-Across-its-Global-Value-Chain

[2] SteelOrbis: Tata Steel and Google Cloud collaborate to deploy agentic AI to scale up autonomous capabilities
https://www.steelorbis.com/steel-news/latest-news/tata-steel-and-google-cloud-collaborate-to-deploy-agentic-ai-to-scale-up-autonomous-capabilities-1449423.htm

[3] IT Brief UK: Tata Steel expands Google Cloud AI across global operations
https://itbrief.co.uk/story/tata-steel-expands-google-cloud-ai-across-global-operations

Tata Steel website: https://www.tatasteel.com

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