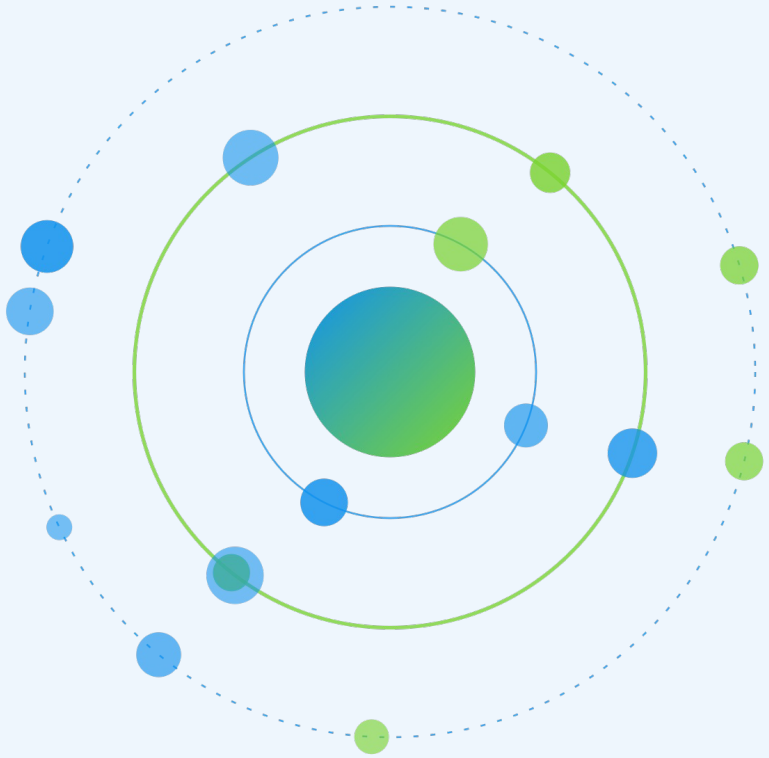
Constient

Portfolio overview

Constient: Research and Engineering for Quantum, AI and Digital Enterprise

Enterprise AI working for clients today, quantum research for the next decade, one engineering team across India, the Gulf and the United States.



Corporate overview · November 2026

CONTENTS

What this deck covers

01 **Who you are talking to**

A research and engineering company, and the four problems customers bring us

02 **What is in the portfolio**

Eight services, six solution patterns, eight products, and where each industry usually starts

03 **How it fits a customer**

Three engineering perspectives: capital markets, energy sites, hotels

04 **What it is worth**

An illustrative ROI case, published benchmarks and compliance by region

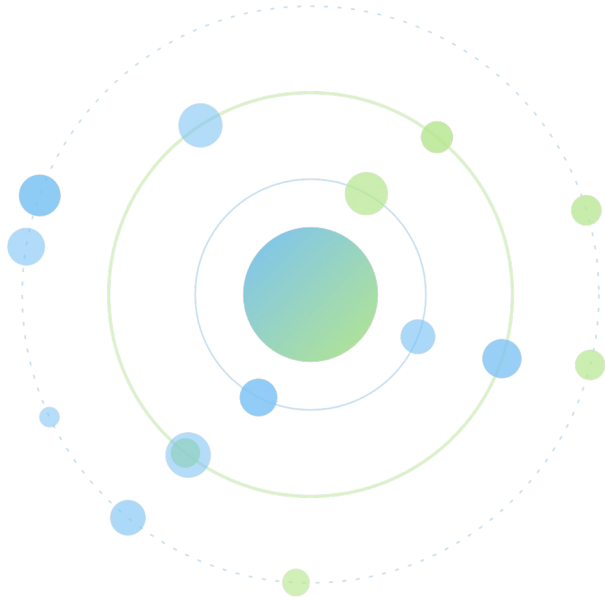
05 **How we start**

Engagement models and regulator dates

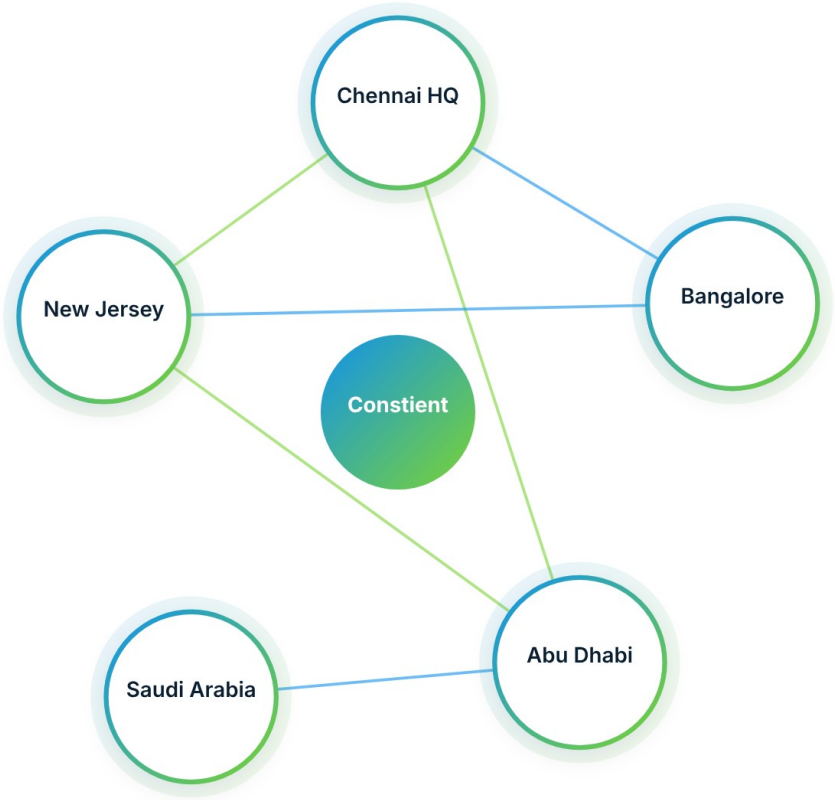
01

Who you are talking to, and what we have

A research and engineering company, the four problems customers bring us, and the portfolio that answers them



A research and engineering company with one standard across four markets



1 **Research and engineering together**

The people who run our quantum and AI experiments are the people who integrate, secure and support the result. Nothing is thrown over a wall.

2 **Quantum-first ambition, AI working for clients today**

We build the enterprise AI, agentic systems and data platforms that run today, and we research quantum computing and quantum-safe security for tomorrow.

3 **Offices where you are**

Headquarters in Chennai, a second office in Koyembedu, Chennai, an Abu Dhabi office (Constient Global Information Technology Consulting L.L.C), presence in Saudi Arabia and an office in Branchburg, New Jersey.

4 **Honest about readiness**

We separate experiments from production and say which is which. Our quantum work has no client deployments yet, and this pack says so.

Four problems customers bring us, and what each one costs



Documents still keyed by hand

Invoices, KYC packs, claims and orders arrive as PDFs and scans. Someone reads them, types them and chases the exceptions. The ERP only ever sees the result.

What it costs you: Ardent Partners (2023) found 22.5% of invoices need exception handling; Panko (2016) puts human error at 1 to 5% per action.



Cameras and sensors that record but do not warn

A site has hundreds of cameras and thousands of sensor points, yet incidents are found afterwards by someone scrubbing footage or reading a monthly report.

What it costs you: Siemens (2024) reports about 27 hours of unplanned downtime per facility per month across 181 industrial sites.



Customers waiting on a person for routine requests

Bookings, order status, balance queries and room service all land on a human who answers the same question many times a day, often in more than one language.

What it costs you: Gartner (2019) priced a live contact at about USD 8.01 against USD 0.10 for self-service.

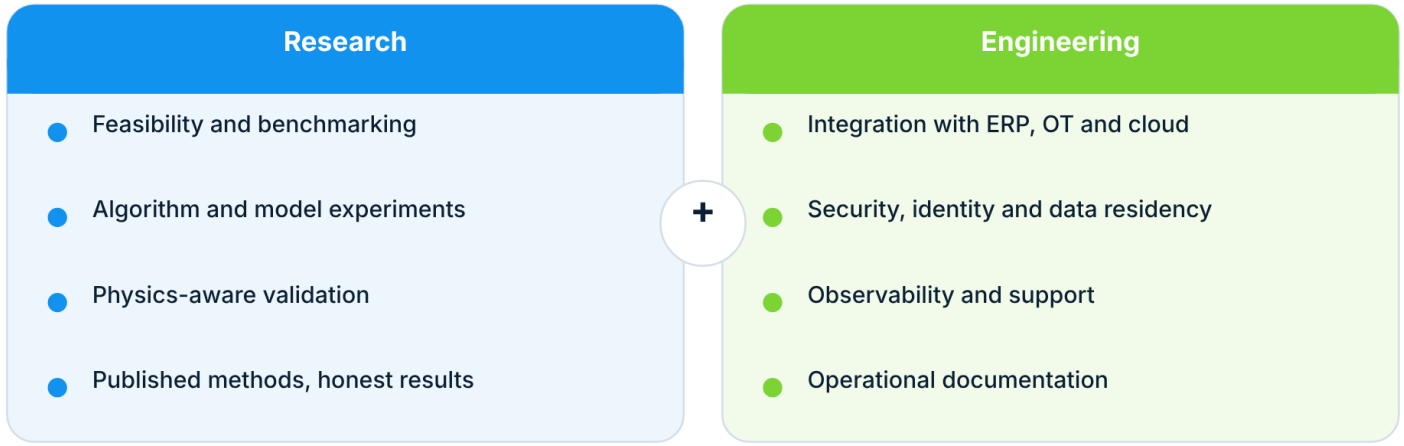


A regulator has set a date and nobody owns the inventory

SAMA, the UAE Cyber Security Council, India DST and the US OMB have published quantum-safe deadlines. Most estates cannot yet list their keys, certificates and libraries.

What it costs you: NIST notes past cryptographic migrations took over a decade; IBM (2025) puts an average Middle East breach at USD 7.29 million.

Research and engineering in one team is what changes the outcome



1

Research track: Discover, Validate, Simulate

A feasibility question, a classical baseline and a written go or no-go before budget is committed. Weak ideas die early and cheaply.

2

Engineering track: Engineer, Scale

The same people turn what works into production code, pipelines, a security review and a runbook with a named owner.

3

No hand-off gap

Most emerging technology fails between the lab and the data center. Here there is no wall to throw it over, so prototypes that pass actually ship.

SERVICES

Eight services cover the path from a question to a running system

AI & Data Science

Forecasting, classification, NLP and computer vision models taken to production with evaluation suites, drift monitoring and a named owner.

Generative AI & Agentic AI

Retrieval-grounded cofirst phases and LangGraph-style agent workflows that act in your systems under approval rules you set.

Edge AI & Edge Computing

Inference on cameras, gateways and industrial devices, with edge-to-cloud pipelines for plants where bandwidth is scarce and latency matters.

Quantum Technologies

Research-led quantum computing consulting: feasibility studies, simulation, quantum-inspired optimization and post-quantum cryptography readiness.

Data Engineering & Analytics

Lakehouse platforms on Databricks and Azure, governed pipelines and semantic layers so every dashboard and model reads the same numbers.

Enterprise Application Development

Custom platforms, licensed integrations and modernization of the applications your business already depends on, built for a long service life.

Cloud Engineering & DevOps

Landing zones, Kubernetes platforms, CI/CD, observability and load testing that keep releases uneventful and incidents short.

Dedicated Engineering Teams

Named AI, data and platform engineers who join your roadmap for months at a time, with our delivery leads accountable for results.

SOLUTIONS

Six solution patterns that start from the workflow, not the model

Intelligent Document Processing

Invoices, contracts, KYC packs and claims extracted by document AI, including Arabic, validated against master data and routed with an audit trail.

Conversational AI & Voice Agents

Text and voice assistants in English, Arabic and Indian languages that book, order, update and escalate inside your systems instead of only answering.

Computer Vision & Video Analytics

Existing cameras turned into safety, quality and throughput sensors, processed on site so footage never leaves the premises.

Predictive Analytics & Optimization

Demand, maintenance and risk forecasts coupled to optimization engines, including quantum-inspired methods, that recommend an action.

Agentic Process Automation

Orchestrated agents that carry a case from inbox to ERP to approval, with every step logged and every exception handed to a person.

Enterprise Knowledge Intelligence

Retrieval-grounded answers over documents, tickets and databases, with your permission model enforced at query time.

Eight products, each packaged, demonstrable and priced on its own

Product	Business priority	What it does	Demo
VisionGuard AI	Safety and facility intelligence	Turns existing IP cameras into PPE, hazard and intrusion sensors, with video processed on premises and evidence behind every alert.	Hosted
Facility AI Platform	Safety and facility intelligence	Reads existing sensors through a gateway and predicts facility issues before they become critical alarms.	Guided session
AP Automation	Finance and operations	Captures supplier invoices from email and scans, checks vendor and purchase records, flags duplicates and routes approvals to the ERP.	Hosted
AR Automation	Finance and operations	Applies customer receipts to open invoices through a three-tier matching cascade and queues the uncertain ones for review.	Hosted
AI Order Automation	Finance and operations	Turns orders arriving by email, PDF or portal into ERP sales orders, raises invoices and follows up on dues.	Guided session
AI Digital Employee	AI workforce and management	A digital colleague for routine, rule-driven work across the applications you already use, with human handover and an action log.	Hosted
CRM & HRMS Platform	AI workforce and management	Leads, client records, service jobs, timesheets, invoicing and employee administration in one configurable system.	Guided session
AI Restaurant Ordering Assistant	Customer experience and hospitality	Guests order by web chat, WhatsApp or multilingual voice, from menu to payment, connected to the POS.	Guided session

Hosted demos with an AI guide are on constient.com. A24 Hospitality Intelligence, agentic AI for hotel and restaurant operations across PMS, POS and booking systems, is also shown in guided sessions.

Where a customer in each industry usually starts with us

	Documents	Cameras and sensors	Conversations	Forecast and optimize
Banking and insurance	Document processing	Liveness checks	Knowledge assistant	Risk and PQC planning
Manufacturing, energy	AP Automation	VisionGuard AI	Plant MIS assistant	Maintenance forecasts
Hospitality	Invoice automation	Facility AI alerts	Ordering assistant	Demand forecasting
Logistics and retail	Customs documents	Warehouse vision	Order status agent	Routing optimization

1

Start where the money leaks

Each cell is the product or pattern that most often opens an engagement in that sector. The rest of the portfolio follows the workflow.

2

Products when they fit, patterns when they do not

A packaged product is the faster route when it covers most of the workflow. The custom pattern uses the same engineers.

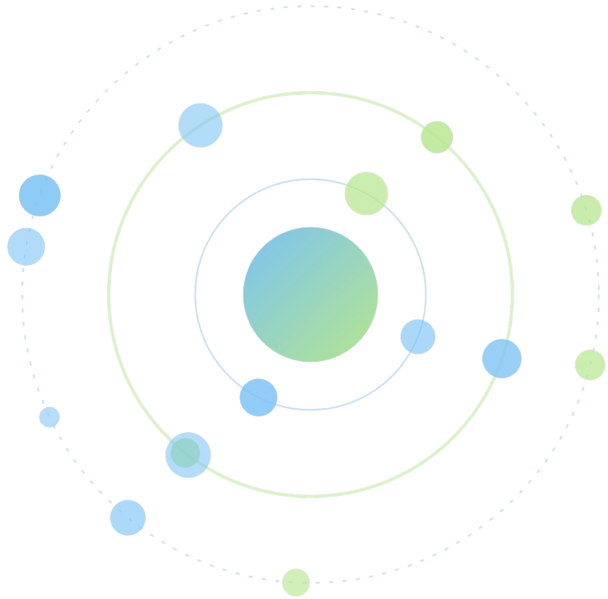
3

Quantum sits behind the last column

Optimization and risk work is where quantum-inspired methods and post-quantum planning enter, always benchmarked against what you run today.

02

How it fits a customer



Three engineering perspectives, described without client names or metrics, and the architecture underneath them

Capital markets: onboarding that an auditor can read

BANKING AND CAPITAL MARKETS, INDIA

Digital onboarding for securities firms

Platform build, licensed identity and data integrations, rule-based compliance checks, support after go-live. Delivered for securities firms in India; no names or metrics are published.

The situation

Account opening ran on paper forms and re-keying. Applications passed through several hands, took longer than the customer expected, and produced files that were hard to defend when the regulator asked for evidence.

What we built

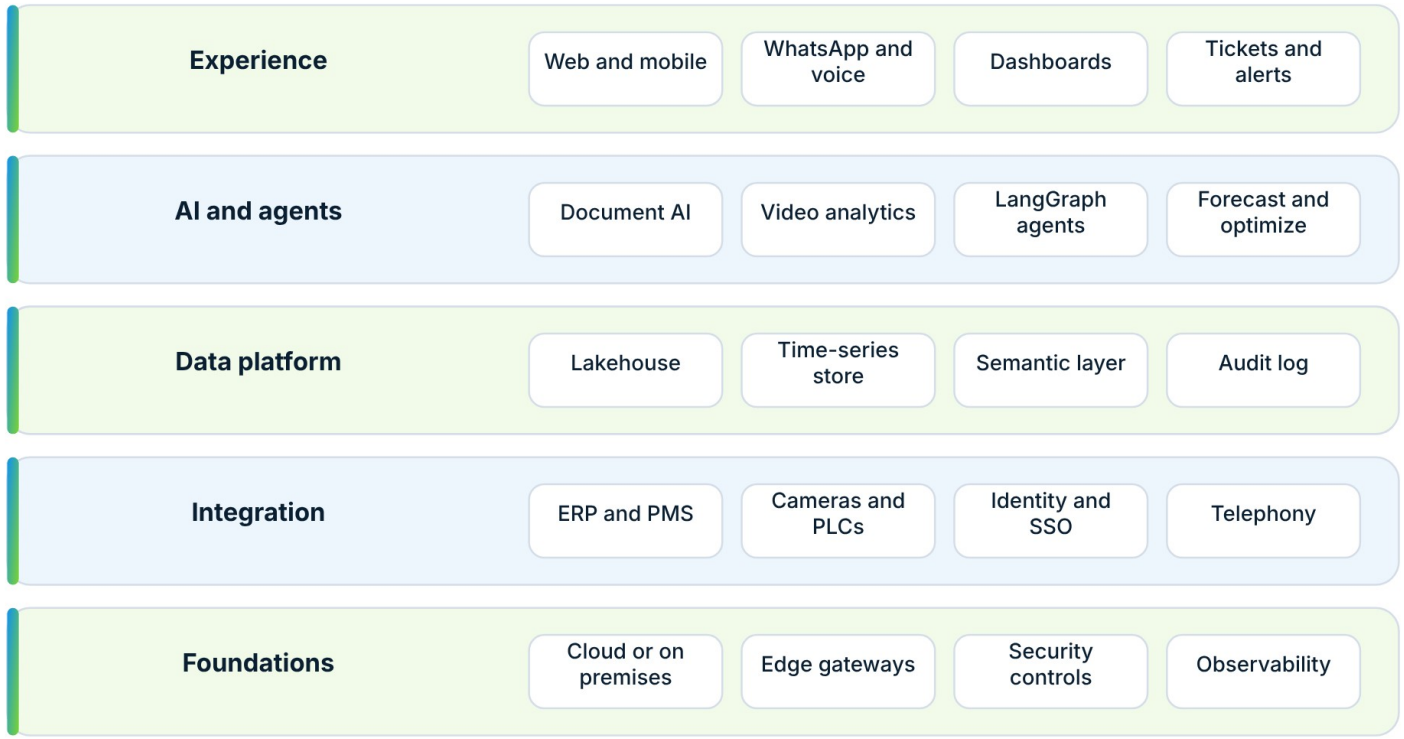
A digital onboarding platform with licensed KYC and data integrations, rule-based checks at each step and an audit trail that records who decided what and when.

What changed

Onboarding became a guided digital journey with evidence the compliance team can read. The same document AI and audit pattern now underpins our Intelligent Document Processing solution for banks and insurers.

Anonymised engagement. Named references available under NDA on request.

The same five layers sit underneath every engagement



1

Top two layers change per workflow

An onboarding platform, a plant monitoring console and a hotel assistant look different to their users and use different models.

2

Bottom three layers are shared

Data platform, integration and foundations are built once and reused, which is why the second workflow is cheaper than the first.

3

Residency is decided at the foundation

Cloud region, on-premises hosting or edge processing is chosen before design, to the rule your regulator sets.

Energy and industrial sites: one console for a region

ENERGY AND INDUSTRIAL OPERATIONS, GCC

Infrastructure monitoring for distributed sites

Telemetry pipeline, time-series platform, alerting and dashboards, delivered remotely from India with on-site reviews. OT and ICS cybersecurity assessments in Saudi Arabia run under the same security habits.

The situation

Sites spread across the region reported their health through separate tools and manual checks. Problems surfaced late, history was hard to reconstruct, and nobody held one view of the estate.

What we built

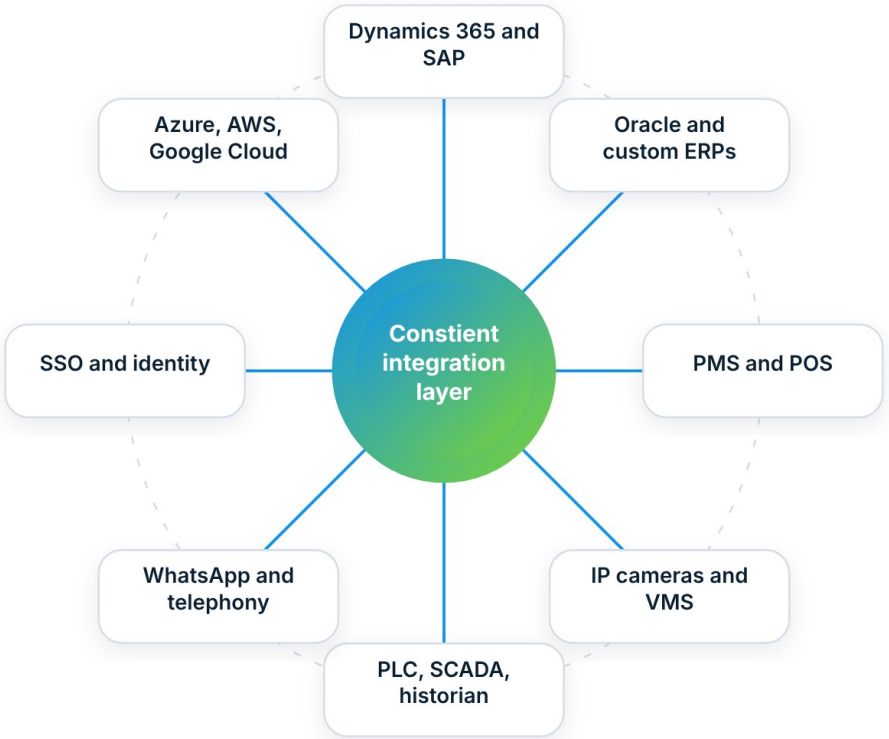
An infrastructure monitoring platform using Telegraf collectors, an EMQX MQTT broker, TimescaleDB storage and Zabbix proxies at each site, with alerting and dashboards in one place.

What changed

Operations teams watch every site from one console, with history to explain a fault and alerts that reach the right person. The same telemetry spine is what Facility AI Platform and our predictive maintenance work build on.

Anonymised engagement. Named references available under NDA on request.

We design to the estate you already run



1

No rip and replace

Business Central, SAP, Oracle, on-premises OT networks and your identity provider stay where they are. We connect to them with reviewed, documented interfaces.

2

Exceptions go to a named person

Every integration routes what it cannot handle to an owner in your team, with the evidence attached.

3

Audit on every write

Each posting, ticket or message an AI system creates is logged with its reason, so your auditors and your regulator can follow it.

Hospitality: a guest assistant that books, orders and checks out

HOSPITALITY, INDIA AND THE GULF

A multi-tenant hotel AI assistant on LangGraph

Conversation design, agent orchestration, PMS and POS integration, Indian-language speech, an outbound voice agent. Described without property names or containment figures.

The situation

Guest requests arrived by phone, WhatsApp and at the front desk, each handled by a person. The same questions about rooms, menus and bills were answered many times a day, in more than one language.

What we built

A multi-tenant hotel assistant on LangGraph and LangChain with room booking, room service, food ordering, feedback and checkout intents, PostgreSQL checkpointing, Redis sessions, speech in Indian languages and an outbound voice agent for telephony.

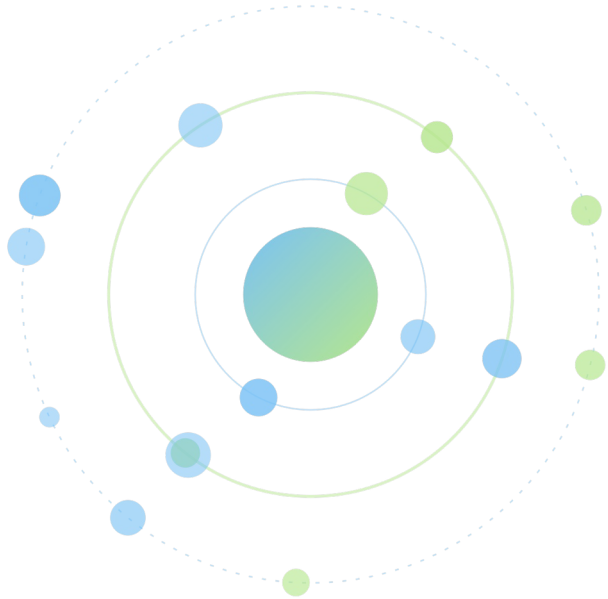
What changed

Routine requests complete inside the assistant and reach the PMS and POS directly, and staff handle the exceptions. Intent handling was benchmarked LLM against retrieval before launch, which is the habit our Conversational AI solution carries into every deployment.

Anonymised engagement. Named references available under NDA on request.

03

What it is worth, and how we start



An illustrative ROI case, published benchmarks, compliance by region, engagement models, and the regulator clock

Illustrative return for a mid-size GCC distributor automating AP and AR

Inputs are illustrative for a distributor handling 6,000 supplier invoices and 4,000 customer receipts a month. Replace them with your numbers; the Excel calculator in this pack recomputes everything.

Input	Illustrative value
Supplier invoices / customer receipts per month	6,000 / 4,000
Minutes per invoice / per receipt today	9 / 6
Share handled without a touch after the first phase	65%
Loaded cost per finance hour	USD 20
Annual subscription and support	USD 90,000

How the arithmetic works

AP: 6,000 invoices at 9 minutes is 900 hours a month; 65% of that is 585 hours. AR: 4,000 receipts at 6 minutes is 400 hours; 65% is 260 hours. Together 845 hours a month, which at USD 20 an hour is USD 202,800 a year. A USD 90,000 subscription divided by USD 16,900 a month gives 5.3 months.

845 hrs

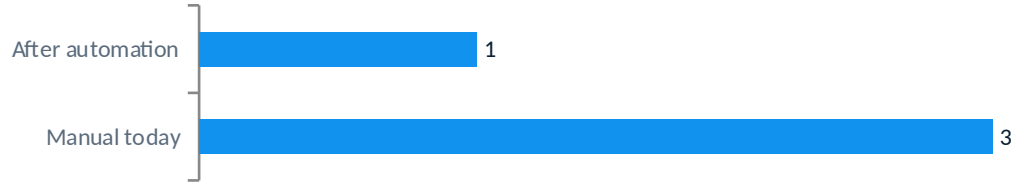
Finance team hours returned each month, AP and AR together

USD 203k

Annual labor cost avoided at the inputs shown

5.3 months

Payback at the inputs shown; your own volumes decide the real figure



Illustrative model, not a guarantee. Nine minutes at USD 20 an hour is USD 3 of labor per invoice, inside the USD 2.78 to 12.88 fully loaded range Ardent Partners reports (2024 and 2025).

Three published figures that frame the cost of doing nothing

USD 7.29m

Average cost of a data breach in the Middle East; USD 9.18m in the financial sector

IBM Cost of a Data Breach 2025, Middle East edition

USD 2.3m

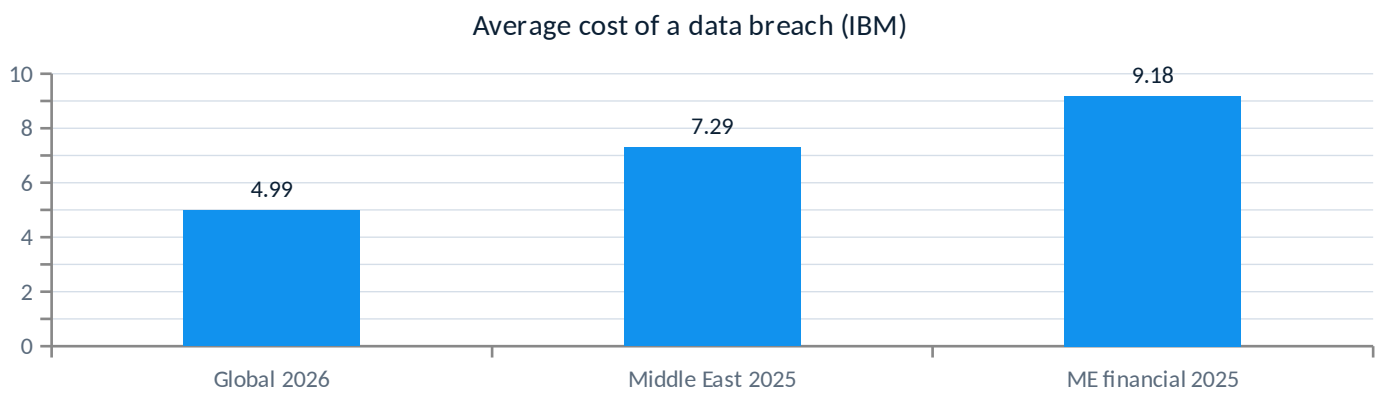
Cost of one hour of unplanned downtime at a large automotive plant

Siemens, The True Cost of Downtime 2024, survey of 181 industrial sites

80%

Share of common customer service issues Gartner predicts agentic AI will resolve autonomously by 2029

Gartner press release, March 2025



Security, downtime and service cost are the three budgets our portfolio touches. Each figure is an industry measurement, not a promise about your site; the first phase measures your own number.

1. IBM Cost of a Data Breach 2025, Middle East edition, via Gulf Business: https://gulfbusiness.com/en/2025/cybersecurity/data-breach-costs-in-middle-east-drop-18/
2. IBM Cost of a Data Breach 2026: https://www.ibm.com/reports/data-breach
3. Siemens, The True Cost of Downtime 2024: https://assets.new.siemens.com/siemens/assets/api/uuid:1b43afb5-2d07-47f7-9eb7-893fe7d0bc59/TCOD-2024_original.pdf
4. Gartner, 5 March 2025: https://www.gartner.com/en/newsroom/press-releases/2025-03-05-gartner-predicts-agentic-ai-will-autonomously-resolve-80-percent-of-common-customer-service-issues-without-human-intervention-by-20290

Delivered where you are, to the regulator you answer to

India

Headquarters in Chennai, a second office in Koyembedu, Chennai. Most of our engineers sit here, and research and delivery management is led from Chennai.

Regulatory context: DPDP Act 2023, RBI and SEBI cyber frameworks, National Quantum Mission, DST quantum-safe roadmap (February 2026), CERT-In guidance

United Arab Emirates

Abu Dhabi office, Constient Global Information Technology Consulting L.L.C, serving the Emirates and the wider Gulf.

Regulatory context: UAE PDPL, National Encryption Policy (November 2025) with PQC transition plans for government entities, UAE e-invoicing program

Saudi Arabia

Delivery across the Kingdom with on-site presence for discovery, security reviews and go-live, and remote engineering from India for the build.

Regulatory context: NCA ECC-2:2024, SDAIA PDPL, SAMA frameworks and the August 2026 circular on quantum computing risks, ZATCA e-invoicing

United States

Office in Branchburg, New Jersey, as the commercial and delivery front for North American clients, with daily overlap to India teams.

Regulatory context: NIST FIPS 203, 204 and 205, NIST IR 8547 (draft), OMB M-26-15 (June 2026), state privacy laws, HIPAA where relevant

Five engagement models, chosen to match the risk in the work

Model	When it fits	What you get
Fixed price	A defined scope with a defined outcome: a feasibility study, a readiness assessment, a productized deployment.	Milestone-linked payments, a written deliverable and a date.
Time and materials	Evolving or exploratory requirements where the scope is learned as the work proceeds.	Monthly billing against effort, with a stage gate you control.
Dedicated offshore pod	Programs running six months or longer that need named AI, data and platform engineers on your roadmap.	A named team allocated per month, with our delivery lead accountable.
On-site presence	Regulated environments where discovery, security review, acceptance and go-live must happen in person.	Engineers in your office for the moments that need them; the build runs remotely.
Outcome-linked	Work where the measurement is agreed up front and both sides want a share of the fee tied to it.	A portion of the fee linked to a defined KPI, measured the way we agreed.

Models can be combined: a fixed-price first phase followed by a dedicated pod is the most common path.

The quantum-safe clock is set by regulators, not by vendors

31 Dec 2026

SAMA: Saudi banks complete a cryptographic asset inventory

SAMA circular, August 2026

2027

India: critical sectors begin post-quantum implementation

DST National Quantum Mission task force, February 2026

2030

NIST deprecates RSA-2048 and P-256; OMB target for US high-value assets

NIST IR 8547 (draft, 2024); OMB M-26-15 (June 2026)

2035

NIST disallows quantum-vulnerable public-key algorithms

NIST IR 8547 (draft, 2024)

Our quantum practice is research-led and has no client deployments yet; we say so plainly. What is ready today is classical security engineering: a cryptographic inventory, a risk assessment and a migration roadmap to NIST FIPS 203 and 204 algorithms, sequenced to these dates. The Quantum Technologies and Post-Quantum Cryptography decks in this pack carry the detail.

Constient

Three steps to a first scope note

1. A 45-minute conversation with an engineer about one workflow in your business
2. A two-page scope note naming the number we will move and the inputs for your ROI calculator
3. A time-boxed first phase on your data, with success criteria and residency agreed in writing

Talk to us

consult@constient.com

+91 89397 79513

constient.com

Chennai
Abu Dhabi
Saudi Arabia
Branchburg, New Jersey

Engineering Intelligence. Enabling Innovation.