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Contextual AI for Life Sciences

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Learn more at [Salt.ai](https://salt.ai)



Veeva

Context rules

in the multi-model future.

01

Data and Model Explosion

Exponential data growth will continue, fueled by the digitization of health records, -omics, spatial biology, and remote technologies. Specialized models proliferate to address these data niches

02

Systems of models and data

Pipelines/ Ensembles/ Workflows/ Swarms - Models with different skills, training prompting, and connections must work together towards community level tasks

03

Design and Execution Win

Success in AI system deployment hinges on excellence in workflow design and engineering execution.

04

Context is computational

System prompts, action prompts, workflow design, data to focus attention, proprietary data to fill gaps (RAG) - All of this must be part of a software layer available for computation and modeling

05

Infrastructure: Compliant, Auditable, Stable

Enterprises require complex deployments that can navigate proprietary data barriers, compliance firewalls, and regulatory limitations. Auditability and stability are business imperatives

Context is more than prompt history

Familiar types of context:

- + Prompts and prompt history (Chat, memory)
- + Data to drive model attention (websites)
- + Data to fill in gaps (enterprise RAG)

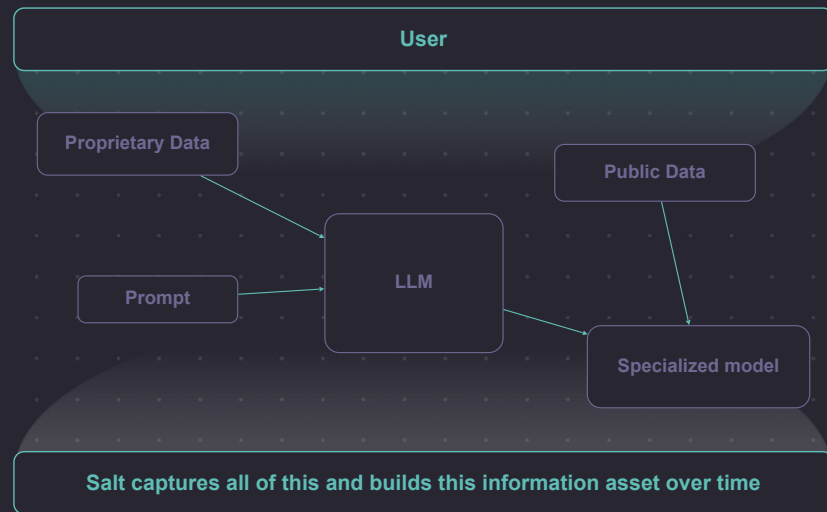
Context can also be:

- + System prompts
- + Connection points (workflow design)
- + Run performance (errors)
- + Model parameters

And, it all comes back to the user:

- + User role, objectives, and questions asked
- + Usage data

Context is the information introduced to a model for inference



In Life Sciences

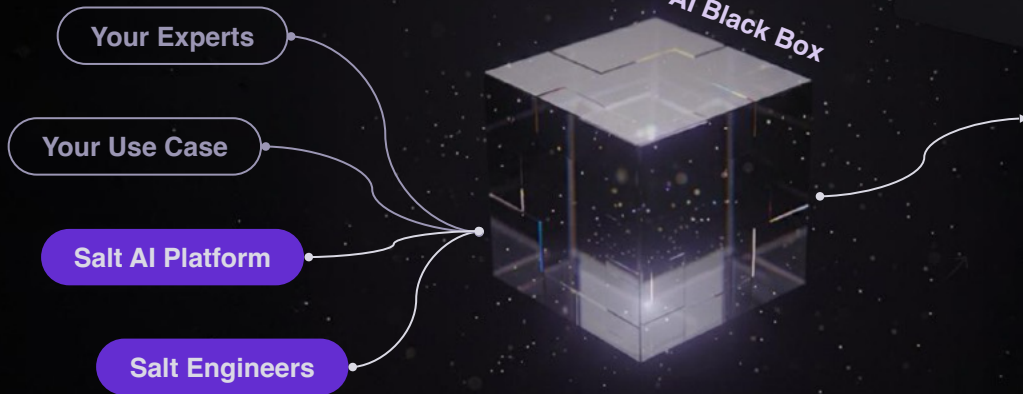
✓ Specialized models/data

✓ Batched runs for experimentation

✓ Stringent compliance



Unpack the 'Black Box' of Enterprise AI Applications



AI Pipelines
Must be
**Auditable &
Stable** in
Regulated
Industries

1
Model

2
Model

3
Model

Custom
Nodes

Tuneable
Performance

Salt is the intelligence layer for life sciences

A programmable system that connects specialized, general, and custom models and datasets into auditable, stable AI workflows.

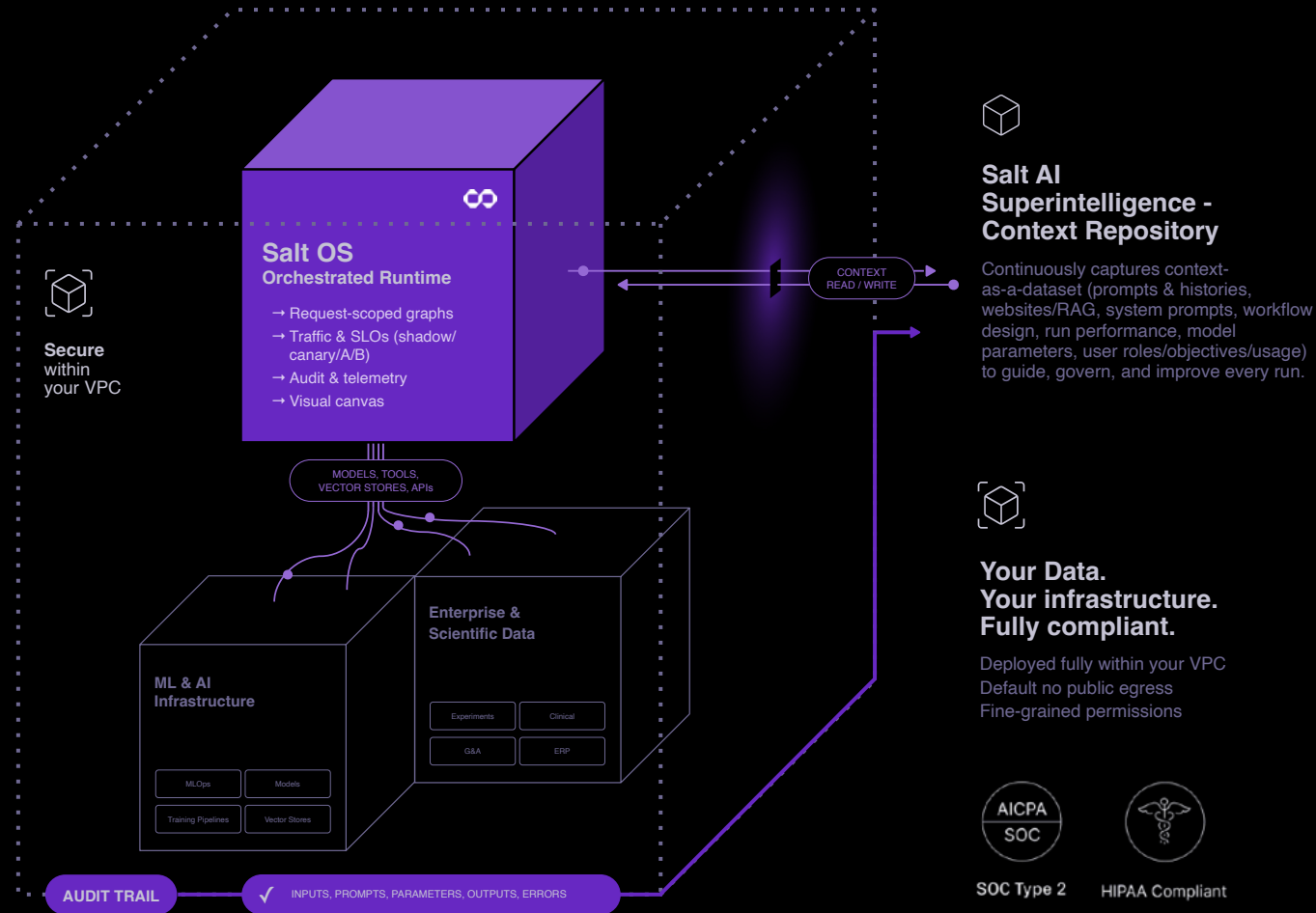
Our context layer dynamically assembles the right data, rules, and goals for each model, so your AI systems act intelligently as a whole — not as isolated tools.



Orchestrated AI runtime for regulated environments

Keep your MLOps for training; run production on Salt OS — request-scoped graphs, Superintelligence context, and compliant VPC deployments.

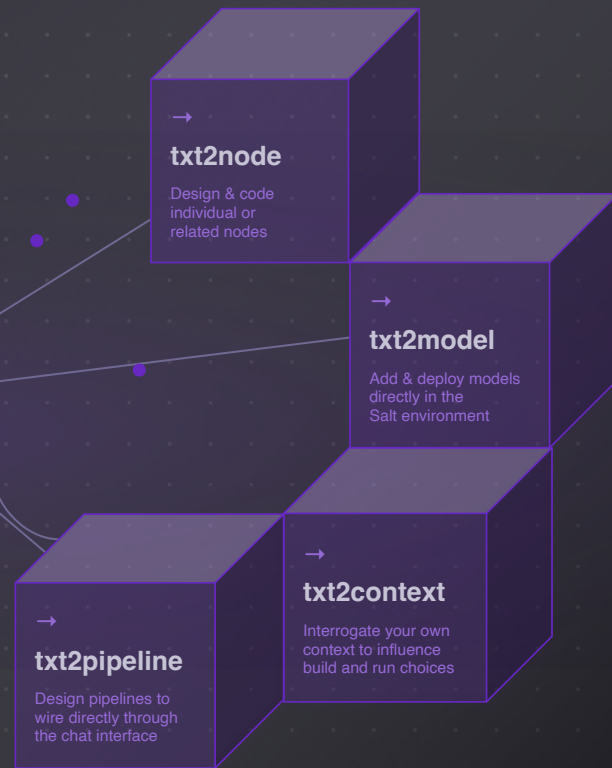
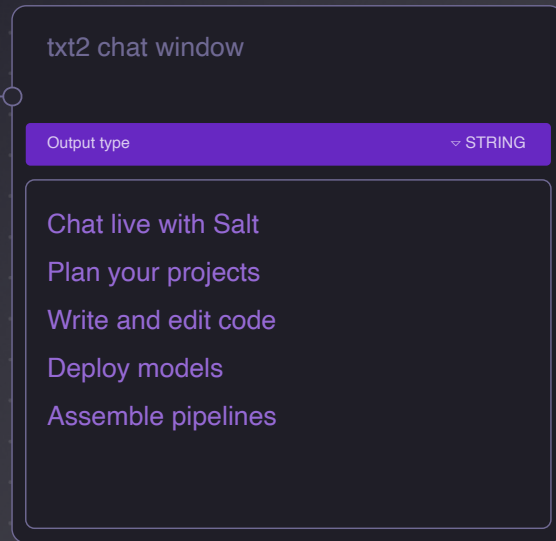
- 01** **Build** and train in your MLOps stack
- 02** **Install** / deploy model to **Salt OS**
- 03** **Customize** & compose a request-scoped graph in **Salt Visual Canvas**
- 04** **Run** under SLOs in your **VPC** with full audit





txt2 anything

Salt superintelligence provides the context to inform an agentic building experience



In Life Sciences

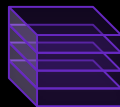
✓ Model library: optimized for compute, customized for usability

✓ Data connectors (FDA, CMS, pdb, small molecule...)

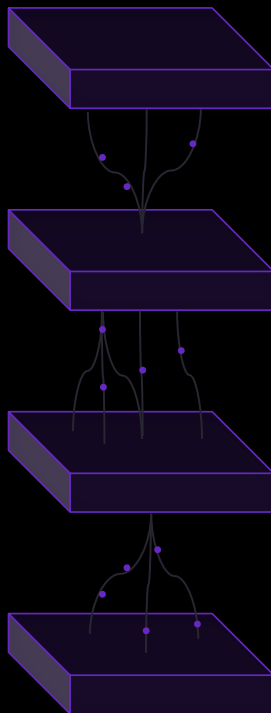


Salt Value

A single platform to deploy, build, optimize, and run AI systems — purpose-built for regulated industries, offering auditability and stability

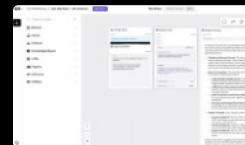


Delivered through a forward-deployed solutions team



Build

Connect models, tools, and data in a human-friendly UI



Install

On-prem or SaaS, compliant (SOC2, HIPAA), secure, containerized



Customize

Speed, cost, and functionality tuning on demand



Run

Auto-scaling compute by design, telemetry, monitoring

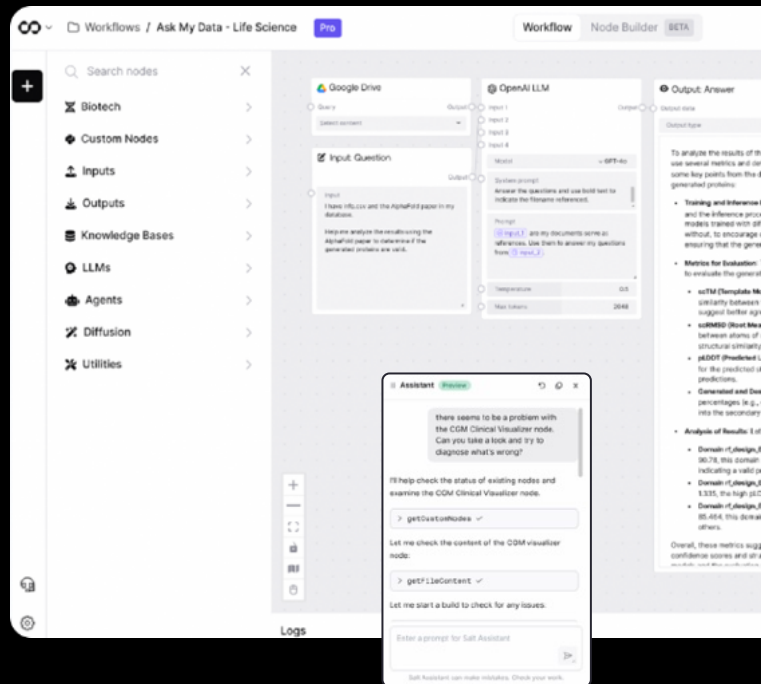


THE SALT AI FRAMEWORK

Build

Assembling Systems,
Not Scripts

Construct powerful, multi-model
systems in hours, connecting
data, models, and tools purpose-
built for specialized AI systems



Visual-first nodes for
rapid build and
transparent audits



text2 interface to plan and
build with chat



Multi-user web interface
including sharing and
versioning for collaboration



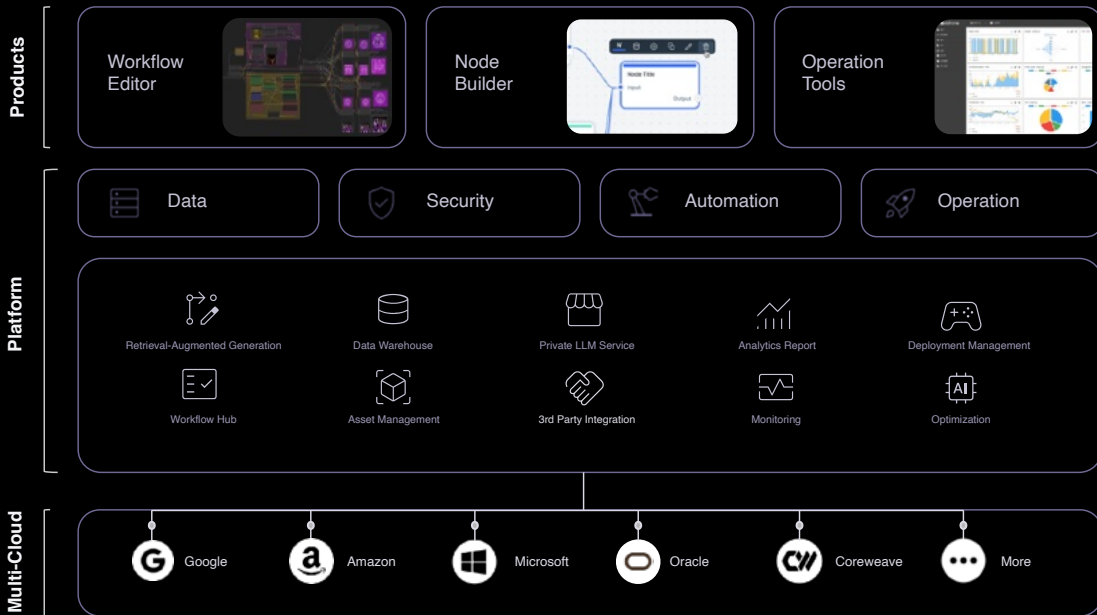
Model zoo & data
connector ecosystem
constantly growing

THE SALT AI FRAMEWORK

Install

Designed for Regulated, High-Security Environments

Deliver compliant, containerized deployments that integrate securely within life sciences infrastructure with a focus on stability for consistent processing



On-Prem Deployment Options

LIGHTWEIGHT



All-in-One Deployment

Ideal for **lightweight** use cases and development environments. The entire system—including the core logic and microservices—runs on a single machine for simplified setup and maintenance.

SCALEABLE



Scalable Multi-Node Setup

Separates the core system and task runners to support greater **parallelism** and performance. Suitable for growing workloads, this setup enables better resource utilization and improved system responsiveness.

ENTERPRISE



High Availability Cloud Infrastructure

Designed for **high-traffic**, mission-critical environments. Automatically scales infrastructure components to meet dynamic demand, ensuring maximum reliability, performance, and uptime for enterprise-level operations.

THE SALT AI FRAMEWORK

Customize

Performance and Precision
Engineering

Make every component faster, smarter, and tailored for its task through deep optimization and model customization.



Configure model functionality

- + Parameter exposure
- + Setpoint thresholds
- + Specialized capabilities



Optimize model performance (where possible)

- + GPU/CPU balance
- + Speed and cost
- + Partitioning



Add data connectors to bolster output quality

- + Publicly available specialized sets (molecules, RWD)
- + Internal information (enterprise reports, operational records, trial history, experiment results)



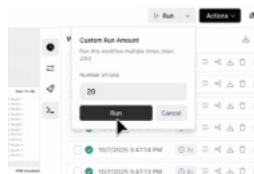
Tune AI systems through testing and iteration

- + Hot-swap to newer/better models
- + Adjust parameters for output
- + Error tracking and resolution

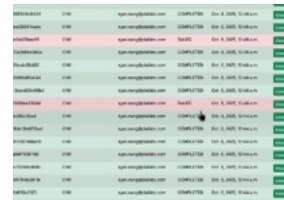
Run

Automate execution, scaling, and monitoring across thousands of runs with full telemetry and stability.

DEMO VIDEO LINK



 **Run batches directly from Salt**



Track completion by run



Debug runs to bolster stability



Dashboard results

R&D Case Study

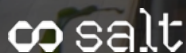
SPOTLIGHT

“ Since we met the team almost a year ago, Salt AI's platform has **helped us to innovate at rapid speed** in designing new therapeutics for cancer.”



Dr. David Agus

CEO of the Ellison
Medical Institute (EMI)



+ Ellison
Medical
Institute

Results

2025

22x

Faster AlphaFold2 performance through intelligent routing between GPU/CPU

85%

Reduced time pipeline build complete in months not years

9

Distinct models running in sequence in a single pipeline, many from different eras (e.g. physics vs. transformer vs. custom)

25k+

Runs with >80% successful completion rate producing a computational protein

~70%

Reduction in compute costs vs. comparable runs in python/AWS

3

Months to execute 2+ years of machine time equivalent to 7+ years on comparable systems

X

Candidate molecules have advanced to wet lab



A menu of scaffolds to start from

Salt Solutions continuously seeds use cases ready for customer data and tuning

Research



Large molecule design 01

Computational biology pipeline for protein generation and validation

[DEMO VIDEO LINK](#)

Small molecule design 02

Generative SMILES for screening and functional optimization



ADC 03

Combining large and small molecule pipelines and testing aggregate results



Drug repurposing 04

Identifying new indications for known drugs



Development



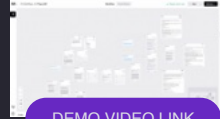
Translational medicine 05

Connecting published clinical outcomes with molecular selection

[DEMO VIDEO LINK](#)

Protocol writing 06

Clinical trial design informed by FDA and published data, engineered for strategic goals

[DEMO VIDEO LINK](#)

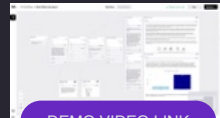
RWD generation 07

Synthesizing RWD based on patient profiles



Medical affairs 08

Clinical chatbot supporting live MA rep discussions

[DEMO VIDEO LINK](#)



Who buys Salt and why

Two groups.
One ecosystem.

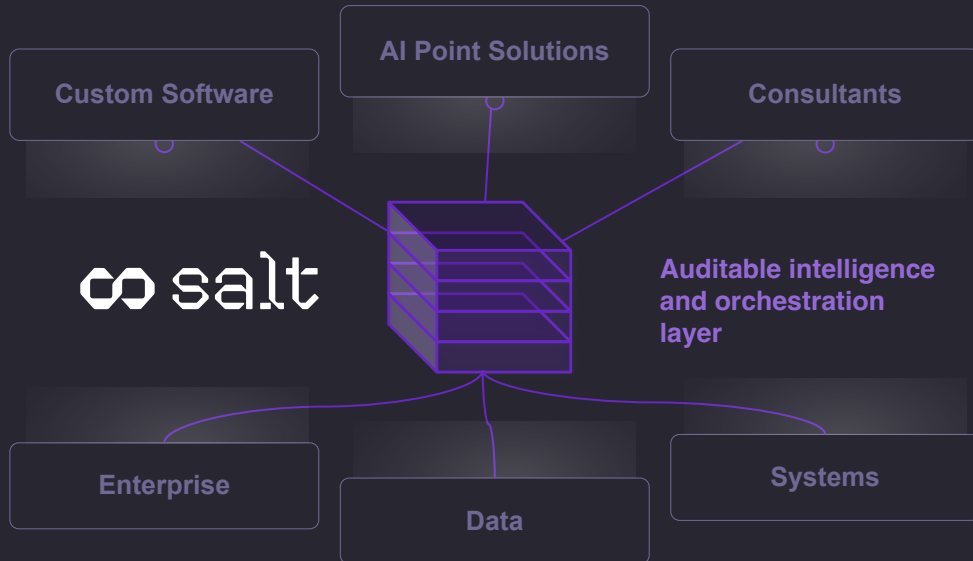
Business

P&L + functional
leaders

Digital

Data science,
engineering, IT

Uses solutions built with digital tools and infrastructure that deliver measurable value to the enterprise



Builds a foundational toolset and infrastructure to enable business solutions



What is used today and why will it be replaced

Salt AI replaces each of these options for AI-enabled solutions

Business

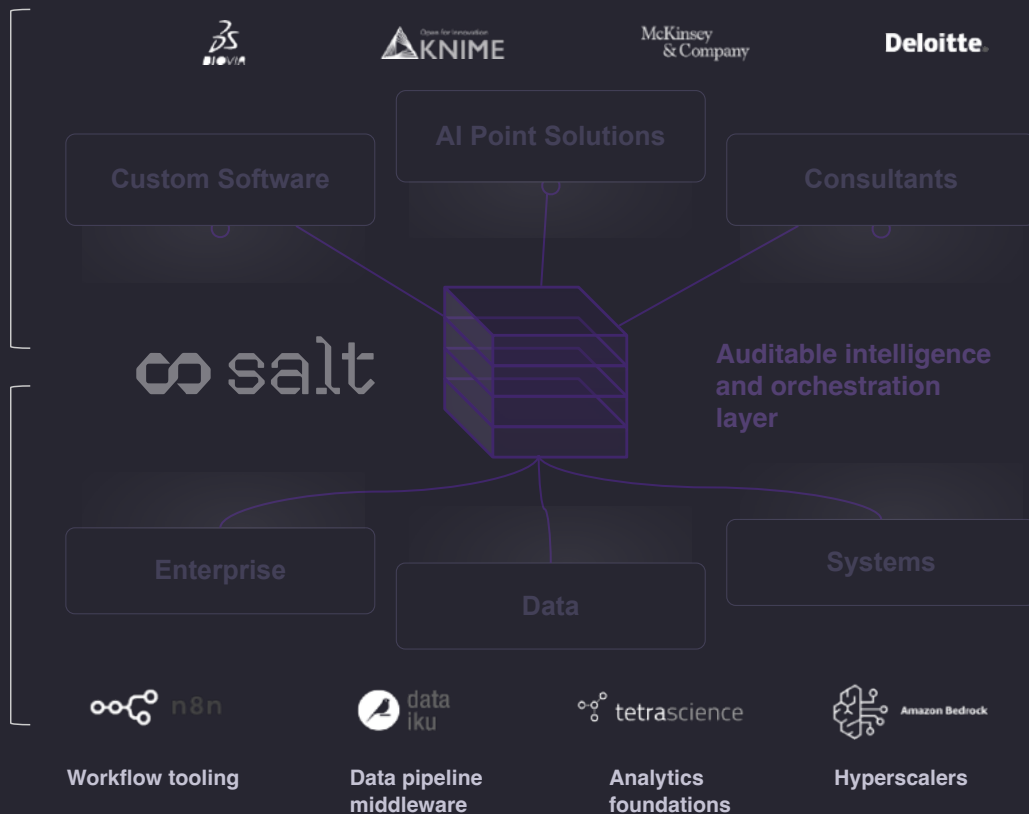
P&L + functional leaders

Work delivered, integrated within processes

Digital

Data science, engineering, IT

Developer velocity and infrastructure robustness for AI pipelines



How customers buy Salt AI

Solutions, deployment, service packages to meet customer needs

	Self-serve	Project	POC	Enterprise
<i>What do you buy?</i>	Bundles of workflow runs	Functional AI solutions, deployed in your processes	Sandbox for model building, with support for early workflow creation	Deployment to your infrastructure for high volume workflow build and run
<i>Who buys this?</i>	Smaller organizations with teams who can be highly hands on (no support)	Business leaders investing in AI	Digital teams exploring new tooling and infrastructure	Joint business/digital leadership transforming how the company will use AI
<i>How is Salt installed?</i>	Cloud-first SaaS, self-service through a login	Cloud-first SaaS, as a functional workflow, with platform access to customer superusers	Installed in customer infrastructure, platform access for superusers	Installed in customer infrastructure, unlimited platform access
<i>What is the service model?</i>	Light remote technical support for onboarding and troubleshooting	A dedicated Salt solutions team, regular joint team meetings	A forward deployed Salt solutions team	A dedicated account team

The Salt AI Team. Balanced by design.



Executive Team

Builders in big data, AI, hardware

Leaders in large scale life sciences digital programs

**Aber
Whitcomb**

CEO, Co-
Founder

**Jim
Benedetto**

CTO, Co-
Founder

**Charles
Basil**

EVP, Platform
& Ops

**Ryan
Wang**

Chief Architect

**Nate
Beyor**

Chief Business
Officer

**Bob
Battista**

Head of
Commercial

**Toby
Sayre**

VP of Sales

**Dan
Sheikh**

VP of AI
Solutions

Proven Track Record

 **myspace**

\$650M Exit

 **Gravity**

\$100M Exit


CORE SCIENTIFIC

\$6B Market Cap

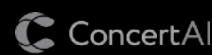
 **JAM
CITY**

\$400M Rev

 **McKinsey
& Company**

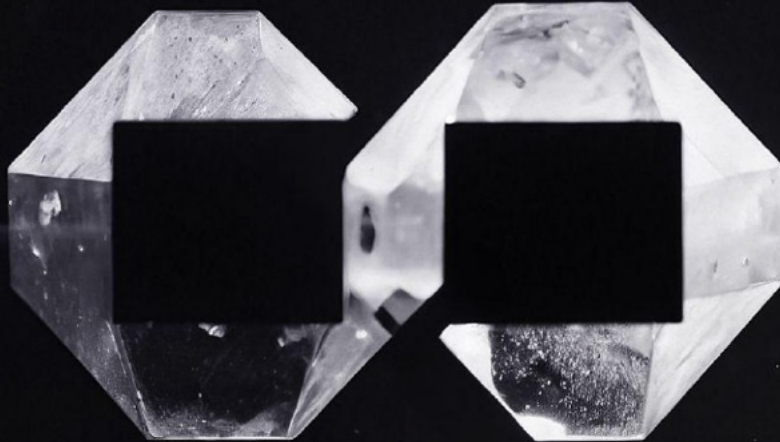
 **ThermoFisher
SCIENTIFIC**

 **dr.
evidence**

 **ConcertAI**

 **BCG**

∞ salt



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