

I Torch.AI Unlocks the Power of Data

The next generation of the enterprise data broker model

Organizations are awash in an ocean of data, but they can't use it efficiently. Untold value is locked away in unstructured data such as documents, free text, or audio recordings. Manually analyzing and processing this unstructured data is demanding, inefficient, and prone to errors. It can become overwhelming as the mountain of documents continues to grow.

Torch.AI™ has pioneered a solution to the ever-increasing challenge of extracting meaningful value from the unstructured data within an enterprise.

What is the Torch Platform?

The Torch platform is an innovative and proven software designed for enterprise data ingest and orchestration allowing customers to analyze, tag, and enrich data in real time. Torch enables your organization to create value from the entirety of data – including unstructured data – hidden in your data lake.

Three Functional Capabilities

Nexus

Data orchestration engine that quickly connects to any data source in an enterprise. It instantly converts any type of data to a machine-readable format.

Prism

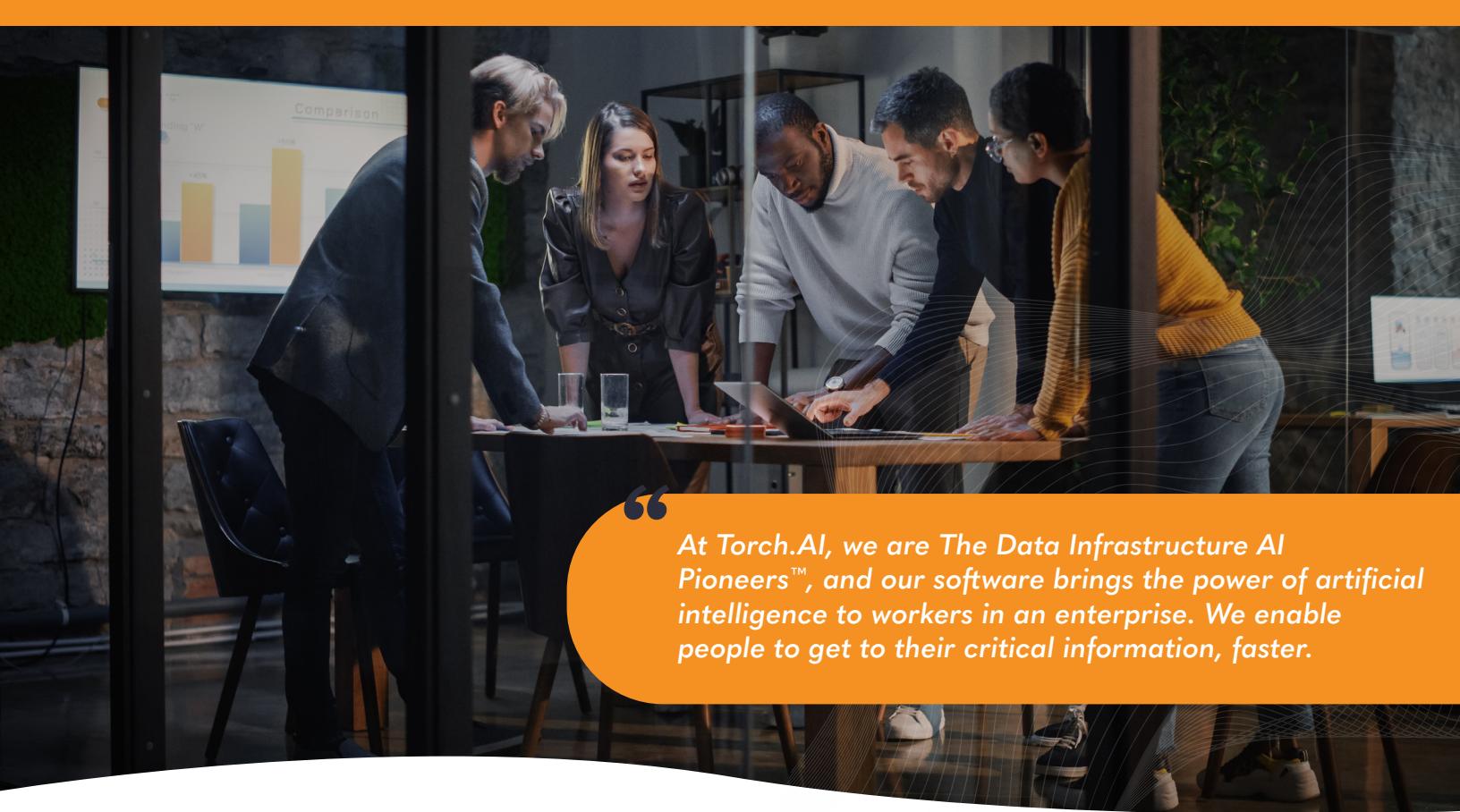
Data extraction engine that leverages machine learning to analyze and fuse data. Ontologies give the data meaning and context. Prism extracts the knowledge locked within.

Halo

Knowledge graph that establishes a clear view of the entire data landscape. It democratizes data to the lowest level, revealing clusters and trends you never knew existed.

With Torch in your enterprise data ecosystem, you can:

- ✓ Analyze unstructured textual and document data in real time, directly from the authoritative source.
- ✓ Seamlessly integrate with upstream and downstream systems.
- ✓ Federate, transform, and enrich data across the ecosystem.
- ✓ Take advantage of context-based data discovery and cataloging capabilities driven by the Halo knowledge graph.
- ✓ Leverage an open architecture with full transparency—including explainable AI and a Software Bill of Materials (SBOM).
- ✓ Maintain ownership of your data. We never make your data our proprietary information.



“

At Torch.AI, we are The Data Infrastructure AI Pioneers™, and our software brings the power of artificial intelligence to workers in an enterprise. We enable people to get to their critical information, faster.

Key Features

Real-Time Data Transformation

Unlike typical data lake implementations, The Torch platform does not replicate authoritative data to enable its analysis, transformation, and enrichment. Our ability to analyze data in real time absolves an enterprise from unnecessary infrastructure costs, without undermining speed, reliability, or even compliance.

Unstructured Data Processing and Fusion

The Torch platform enables organizations to semantically understand the wealth of information in their unstructured data, and then use that knowledge to contextualize and correlate their entire data ecosystem. It provides a holistic view of enterprise data that unleashes new insights and speeds decisioning.

Knowledge Graph

The Halo knowledge graph acts as the contextual overlay across the entire data landscape, establishing a clear view of meaningful entities, relationships, and insights while retaining attribution and lineage to the authoritative data for secure, governed, and trusted data discovery.

Semantic Stitching

Unlock the total value of your entire data ecosystem with Semantic Stitching™, a proprietary data retrieval system which converts business-friendly data requests into optimized technical queries, enabling a “no code” mechanism for data access and discovery. Torch users and decision-makers can leverage the intelligence within their data without knowledge of SQL queries or programming skills.

Composability

The Torch platform is a SaaS solution comprised of packaged business capabilities and pluggable microservices, enabling you to easily engage Torch within your existing architecture. Torch also supports Bring Your Own Model (BYOM) to wrap your existing data science artifacts in our MLOps environment, freeing data scientists to focus on innovation rather than mundane model operations and maintenance.



Key Benefits

Cost effective

The Torch platform reduces your technical footprint by eliminating the need for storage and data lake software. It optimizes your human data science resources allowing them to focus on data science – not containers, tech stacks, model operations, and maintenance.

Increase data value

The Torch platform interacts with authoritative data in real time as opposed to stale, replicated data with fidelity loss. You can unleash new insights by interacting with the totality of your data, including unstructured data at the moment it enters your enterprise.

Reduce risk

The Torch platform does not persist sensitive data, such as PII. This data remains at rest on the intended authoritative system with the appropriate governance controls. Torch's ability to categorize object-level information at the moment of existence can prevent sensitive information from ever coming to rest in a data store or system.

Seamless integration

Compose the perfect solution to your unique data needs. Experience APIs assure that minimal (if any) effort is required to harmoniously insert the Torch platform into an existing architecture.

Third-party data

Rapidly fuse and enrich your enterprise's data with third-party data such as social media data, geographical data, publicly available information (PAI), Dark Web data, and more.

Best-in-class security

Torch.AI meets all federal security requirements and is currently deployed inside the DoD. Nexus can provide a Software Bill of Materials (SBOM). In addition, Torch uses only explainable AI, and we never make your data our property. Your data remains your data.