Ω
Datumtron
Omega®
Natural Language Understanding Artificial General Intelligence
2018

What is Datumtron Omega?

A New Artificial General Intelligence (AGI) Technology (Patent-Pending)

Capable of Natural Language Understanding

Has built-in knowledge of common concepts

What Does Omega do?

Omega Reads documents, understands their content, then answers questions about the knowledge in these document.

Omega continuously evolves and absorbs more knowledge.

Use Case
Extracting data from text notes.

KYC NOTES

REGULATORY DOCUMENTS

CONTRACTS

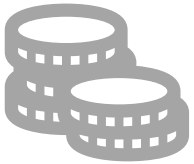
MARKET RESEARCH

PHYSICIAN NOTES

EMAILS

Use case

Customer Calls – Wealth Management



Wealth Management Advisors of a major Wall Street bank take notes while talking to customs. These notes contain valuable information about customers and their needs.

The bank would like to extract important data points from these notes to feed into downstream applications.

Omega read each note and answer a set of 7 questions. Each answer represents a data point. For example:

What is the source of wealth of the client?

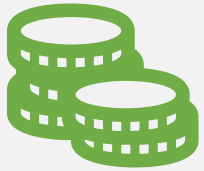
Wealth Management QA at 92% - 98% accuracy

Omega answered the wealth management questions with a high accuracy level ranging from 92% to 98%.

Use case
KYC – What are customers saying to us?

A GROUP IN A MAJOR WALL STREET FIRM, GETS NOTES FROM THEIR CLIENTS GIVING FEED BACK ON THEIR SERVICE.

THE BANK WOULD LIKE TO CATEGORIZE THIS FEEDBACK AND EXTRACT NEEDED ACTIONS

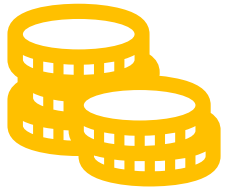


OMEGA READS EACH NOTE IDENTIFY THREE CONCEPTS: PROBLEMS, SUGGESTIONS AND RECOMMENDATIONS

Use case
Customer Trade Orders – Wealth Management

The Wealth Management Group in a major Wall Street firm sends out recommendations to their clients to buy financial instruments. Clients email back with more information than yes/no.

The bank would like to extract actionable information from the email and route it for processing in real time.



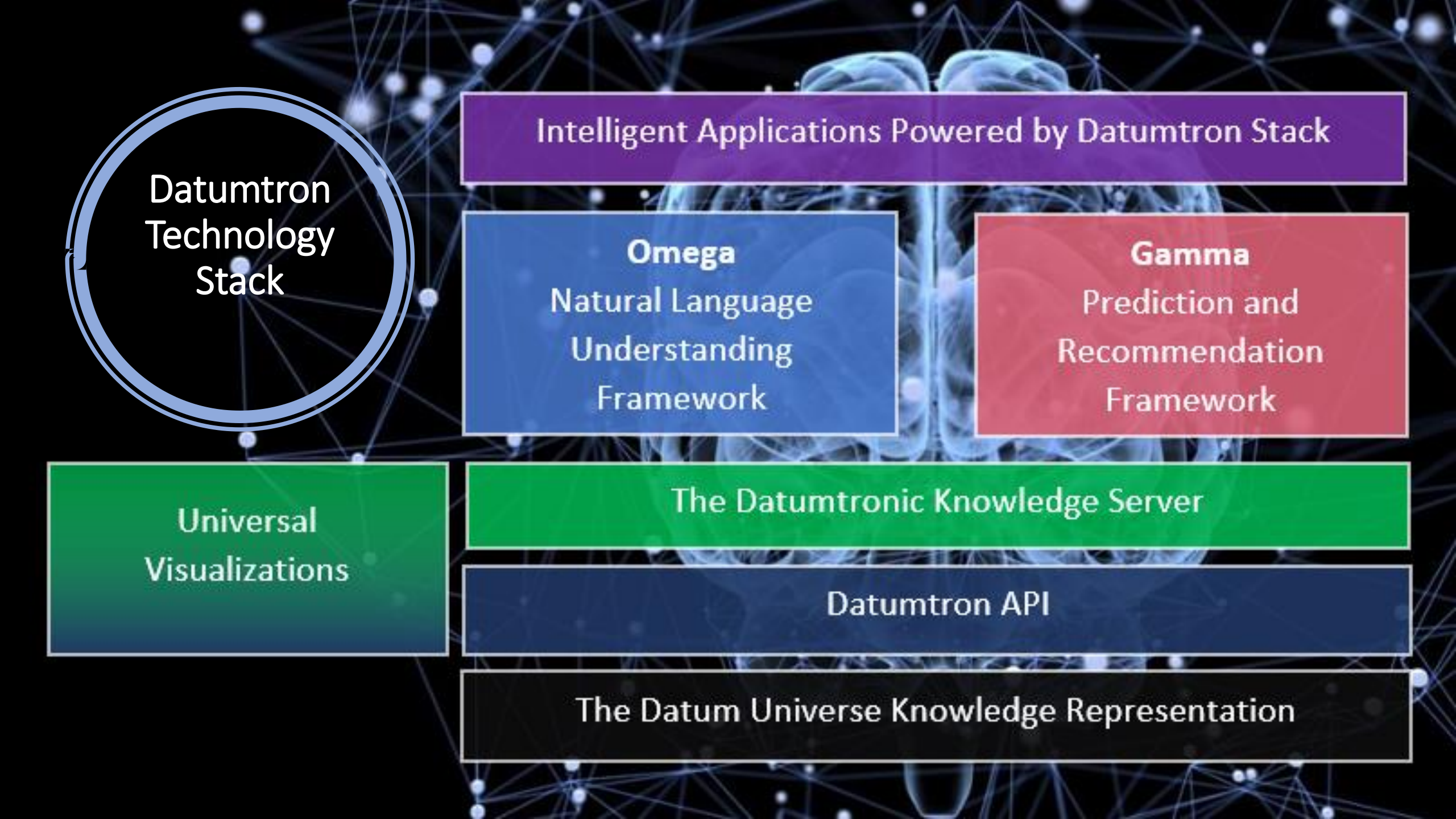
Omega reads each email and extract the actions needed by the client.

Future Applications

Answering Questions

An Organization would like to make its internal knowledge base more accessible to its employees. An employee could ask questions via text or speech and get direct answers. Questions could be about internal technical documents, employee reference manual, methods and procedures, projects, marketing material, etc.

Omega reads these documents, understands them and is able to answer employee questions. In case Omega can't answer a question, the question is logged for analysis, and the answer falls back to an intelligent search in relevant documents.


Datumtron Technology Stack
Intelligent Applications Powered by Datumtron Stack
Omega
Natural Language Understanding Framework
Gamma
Prediction and Recommendation Framework
Universal Visualizations
The Datumtronic Knowledge Server
Datumtron API
The Datum Universe Knowledge Representation

For more information

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