

# Natural Language Understanding, Reasoning and Traceability are Key Capabilities for Organizations Considering Artificial Intelligence Solutions

The business case for artificial intelligence (AI) is powerful yet even when implemented most solutions aren't solving the vexing business problems they were implemented to solve.

## Language and Context Are of Key Importance

There are several challenges that current technologies have to overcome to power transformational enterprise applications.



**+50%**

More than half of our survey respondents said the top two capabilities that are crucial to them are **reasoning and traceability** and **natural language understanding**.

**55%**

### REASONING AND TRACEABILITY

the ability to understand why your AI solution came up with the results it did, was a crucial capability for an AI solution.

**53%**

### NATURAL LANGUAGE UNDERSTANDING

your AI solution understands context and relevance was a crucial capability for an AI solution.

## Similar Surveys Agree

International Data Corporation (IDC) found that many companies have stated that recognizing, understanding and acting on use cases, technologies and growth opportunities for AI will help them differentiate themselves and they expect AI to significantly disrupt the digital landscape.

**82%**

of executives surveyed<sup>1</sup> from many companies that represent \$1 billion dollars or more in annual revenue indicating **an investment in AI is planned as part of their overall IT spend in the coming year**

**11%**

are **strongly considering an AI deployment**, the ability to solve their business problems, is critical to success.

The top two use cases that survey respondents indicated they would invest in for AI include:

**62%**

### LEAD GENERATION

Applying AI to interpret large volumes of structured and unstructured content to identify possible sales leads is one way AI can be leveraged for lead generation.

**61%**

### CUSTOMER SERVICE

In customer service applications, AI can be used to analyze customer interactions to assess and address drivers of dissatisfaction.

## AI for the Enterprise: Enabling the Intelligent Enterprise

RAGE AI™ enables intelligent systems with end-to-end, knowledge-based automation including contextual, traceable deep learning. Where natural language is involved, using deep linguistic parsing and proprietary linguistics-based innovations it enables the understanding of the real meaning of documents and interprets them as a human would. RAGE AI™ significantly extends the frontier of deep learning and machine intelligence from "natural language processing" to "natural language understanding."

Data based on findings from:  
RAGE Framework Survey (2016): *Can Artificial Intelligence Deliver for Today's Enterprise?*

## RAGE-AI™

Patented no-code platform for end-to-end automation of knowledge-based processes, currently being used by some of the largest banks, consulting companies, high tech firms, logistics and consumer product firms globally.



### TWITTER

@RAGE\_Frameworks

### EMAIL

vikram.mahidhar@rageframeworks.com

### PHONE

1.800.203.4399 // 1.781.493.6900

### ADDRESS

3 Allied Drive, Suite 230,  
Dedham, MA 02026, U.S.A.