

Artificial Intelligence (AI)

Feith uses Artificial Intelligence as a tool to analyze, predict, and categorize FOIA content without explicit instructions or programming. AI allows you to reduce costs, increase reliability, gain speed, increase volume, and understand what your goals are.

Natural Language Processing

Feith has been using Natural Language Processing (NLP) to handle massive amounts of documents that contain massive amounts of information for many years now. Implementing Natural Language Processing allows your computer to understand spoken or written text.

In addition to storing documents with the appropriate metadata sets, Feith also utilizes entity extraction. Entity extraction captures what standard metadata cannot, such as names, places, organizations, dates, states, crimes, or any number of subjects. Feith can also identify key information from text data. Once identified, the data can be categorized into predefined categories. If this process were to be done manually, a knowledge worker would have to go into each individual document and mark down all the proper names and places.

Feith can also utilize relation extraction to relate words, phrases, or sentences to other words, phrases, or sentences. This AI feature extracts the relationship between two entities in unstructured sources. For example, if a specific pronoun is related to a certain part of a sentence.

Feith uses causation detection to identify the underlying web of causes or behavior. It can then derive insight from that cause or behavior. For example, if someone were to write an email containing the term stomach, the system would be able to relate it to the term “anatomy”. The system analyzes the sentence structure and detects the fact that there are relationships within the text, scores its confidence level based on those relationships, and also extracts out other concepts from other datasets.

Natural language processing gives users a visual representation of the standard things that all software should be able to do to reduce costs, increase reliability, gain speed, increase volume, and understand what your goal is. The result is a payoff where users are getting valuable information out of the system, and FOIA workers can relate data that would previously be unrelatable.

Automatic Categorization

AI for categorization and classification teaches computers to predict outcomes based on data, and how a document should be classified or categorized based on that data.

Feith’s module for automatic categorization uses a feature called regular expression and computing, which means that it will find the exact word being searched or find a word or phrase that follows a given pattern. For example, if every 1099 MISC document contains the term “1099 MISC” at the bottom of the page. The system will be confident that the document is a 1099 MISC document because of its format.

Feith’s AI module for automatic categorization classifies documents that can’t be categorized by normal means. The solution multi-tags the document by using the entire dataset behind it to decide what words and phrases stand out from these documents. The Feith interface allows users to give the system an uncategorized document to look at, and the system comes back to them with all other uncategorized documents that it believes are similar. If the documents that the system found are similar, the solution will recommend categories based on its level of certainty that the term applies. The system can then be trained how to categorize documents more accurately based on the examples that it has been given. Once it has been trained, it can be trusted to categorize content with 90% or higher accuracy.

LEASE AMENDMENT

LEASE AMENDMENT NO. 2 TO LEASE NO. GS-10B-07183 PAGE 1 of 2
 ADDRESS OF PREMISES: 161 E. 1st Avenue, Anchorage, AK 99501-1629 BUILDING NO. AK3481

THIS AGREEMENT, made and entered into this date by and between ALASKA RAILROAD CORPORATION whose address is 327 W SHIP CREEK AVENUE ANCHORAGE, AK 99501-1871 hereinafter called the Lessor, and the UNITED STATES OF AMERICA, hereinafter called the Government:

WHEREAS, the parties hereto desire to amend the above Lease to increase the amortization of tenant improvements and order tenant improvements amounts which exceed the tenant improvement allowance

NOW THEREFORE, the parties for the considerations hereinafter mentioned covenant and agree that the said Lease is amended effective April 1, 2012, as follows:

I. Paragraph 3 of the Lease is hereby amended as follows:

Year Range	Shell Rent	Operating Rent	Tenant Improvements Cost	Total Annual Rent
Years 1-2	\$568,352.56	\$794,287.07	\$3,745.26	\$1,366,385.89
Years 3-8	\$706,284.49	\$194,287.07	\$136,117.82	\$1,036,689.38

II. Paragraph 8 of the Lease is hereby amended as follows:

In accordance with the SFO paragraph 3.2 entitled Tenant Improvements included in Offer, Tenant Improvements in the amount of \$1,498,046.63 (24,149 AIC/A SF x \$62.87) shall be amortized through the end for 15 years at the rate of 5.5% (\$138,117.82 annually, years 1 - 15). Additional Tenant Improvements in the amount of \$1,128,169.57 shall be amortized through the rent for 8 years at the rate of 5.5% (an additional \$174,631.44 annually, years 1 - 8). Should the Government terminate the lease, in accordance with paragraph 4 of the lease, anytime prior to the end of the fifteen (15) year Tenant Improvement amortization term, the balance of any remaining tenant improvement costs shall be waived by the Lessor and will not be due from the Government.

Continued on Page 2

IN WITNESS WHEREOF, the parties hereto have hereunto subscribed their names as of the date first above written.

LESSOR: James W. Hogg, William R. Huppel
 ADDRESS: 327 W SHIP CREEK AVE ANCHORAGE, AK 99501
 OFFICE: TERRIA HEINLEIN, CONTRACTING OFFICER

GOVERNMENT: Terria Heinlein
 ADDRESS: 327 W SHIP CREEK AVE ANCHORAGE, AK 99501
 OFFICE: CONTRACTING OFFICER

Training

GENERAL SERVICES ADMINISTRATION PUBLIC BUILDINGS SERVICE LEASE AMENDMENT

LEASE AMENDMENT NO. 2 TO LEASE NO. GS-10B-07183 BLDG NO. AK33452Z

ADDRESS OF PREMISES: Blazy's Soldotna Mall, 44539 Sterling Hwy, Soldotna, AK 99669-7920

THIS AGREEMENT, made and entered into this date by and between Blazy's Soldotna Mall, Thomas D Blazy-owner Whose address is 44539 Sterling Hwy, Ste 211, Soldotna, AK, 99669-7920 hereinafter called the Lessor, and the UNITED STATES OF AMERICA, hereinafter called the Government:

WHEREAS, the parties hereto desire to amend the above Lease

NOW THEREFORE, these parties for the considerations hereinafter mentioned covenant and agree that the said lease is amended, effective February 15, 2013, as follows:

Lease Amendment (LA) Number 2 has been prepared clarify the reduction of operating costs per Paragraph 13 of Attachment 2 of the Lease, Adjustment for Vacant Premises. This will reduce the rent by \$30 per sq ft per month or a total of \$4,536.00 per year. To accomplish this, Part II, Section C, Blocks 5 and 6 are deleted and replaced with the following:

PERIOD	SHELL RENT*	OPERATING RENT*	TOTAL ANNUAL RENT*	MONTHLY PAYMENT*
2/15/13-8/6/15	\$21,823.20	\$5,137.32	\$26,960.52	\$2,246.71
8/7/15-8/6/20	\$17,617.92	\$5,137.32	\$22,755.24	\$1,896.27

*The operating costs amounts do not include annual operating costs adjustments beyond 8/7/12. The operating costs base for annual adjustments remains unchanged at \$7.28 per RSF. \$4,536.00 annually will be deducted from the annual operating costs for as long as the space remains vacant.

Use of the GSA Form 276, Supplemental Lease Agreement has been discontinued. All references in the lease to "GSA Form 276" or "Supplemental Lease Agreement" shall be now hereby construed to mean "Lease Amendment".

All other unamended conditions of the Lease shall remain in full force and effect.

FOR THE LESSOR: Thomas D. Blazy
 Signature: Thomas D. Blazy
 Title: OWNER
 Entity Name: BLAZY'S SOLDOTNA MALL
 Date: 9/24/2013

FOR THE GOVERNMENT: Andrew J. Mohl
 Signature: Andrew J. Mohl
 Title: LEASE CONTRACTING OFFICER
 Entity Name: GSA Public Building Service
 Date: 09/25/2013

WITNESSED FOR THE LESSOR BY: Nicole T. Waits
 Signature: Nicole T. Waits
 Title: MAIL MANAGER
 Date: 9/24/2013

Result

Recognize PII and CUI

To recognize PII and CUI, a computer needs to be trained to understand both text content and images. Feith’s AI module uses the text, the categorization, and also the images within the FOIA documents that the organization works with.

Feith uses a technology called computer vision to recognize images as certain “types” based on the sample data given and all the background information in the system. When documents enter Feith, they get broken down into text and images, where the text goes to the text engine and the images go to the image engine. The image engine can find things like driver’s licenses, signatures, passports, photos, and anything necessary to complete a FOIA request.

Feith also uses computer vision for signature identification. For instance, the solution can determine if a 50-page contract is signed. Feith’s computer vision can also detect if the contract has been annotated in a way that there are strikes through certain content. Feith’s image engine also does not need many training examples to function on its own.