

a customer journey with

AILANI



# Challenges faced by Researchers and R&D Leaders

Innovative and efficient research in the context of existing knowledge

Get information for better strategic decisions in complex environment

New targets and products, Shorter time to market

Support for merger and acquisitions

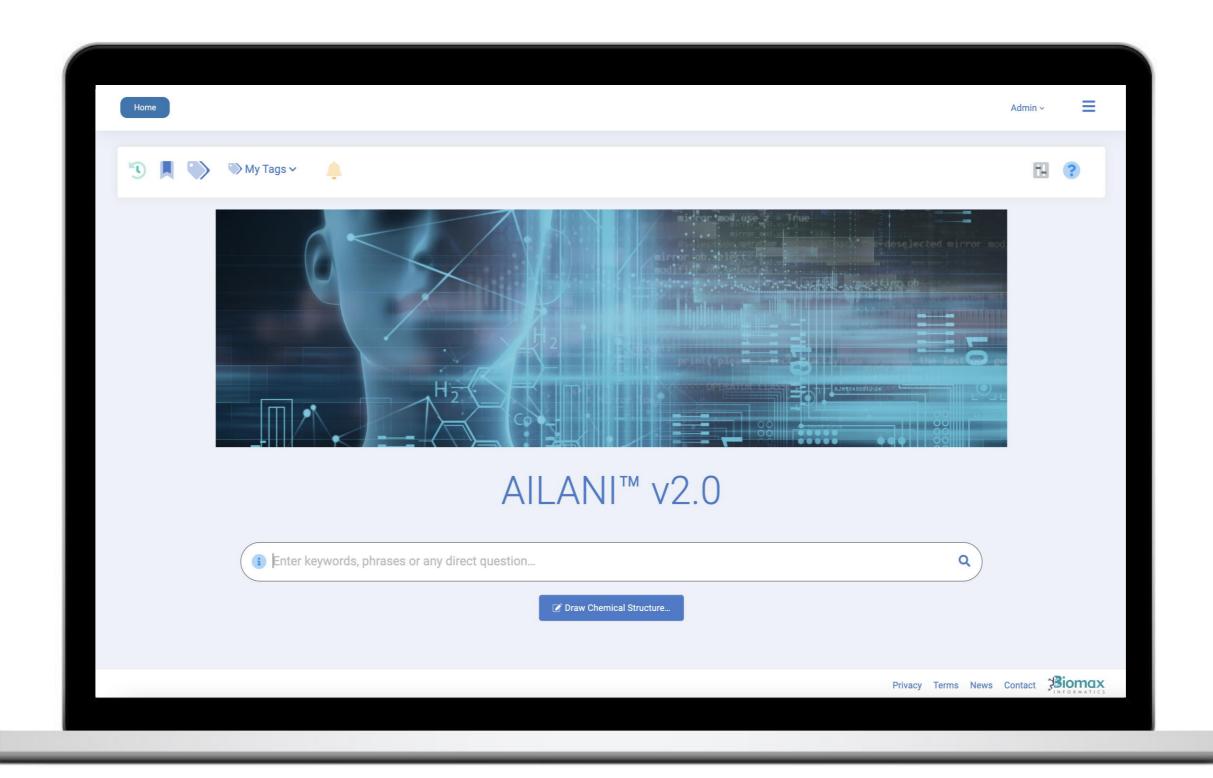


#### Hurdles that need to be overcome

- >Huge amounts of in-house and public data
- >Exploding literature volume
- >Hundreds of databases and platforms
- >Data loss, when knowledge owner leaves the company



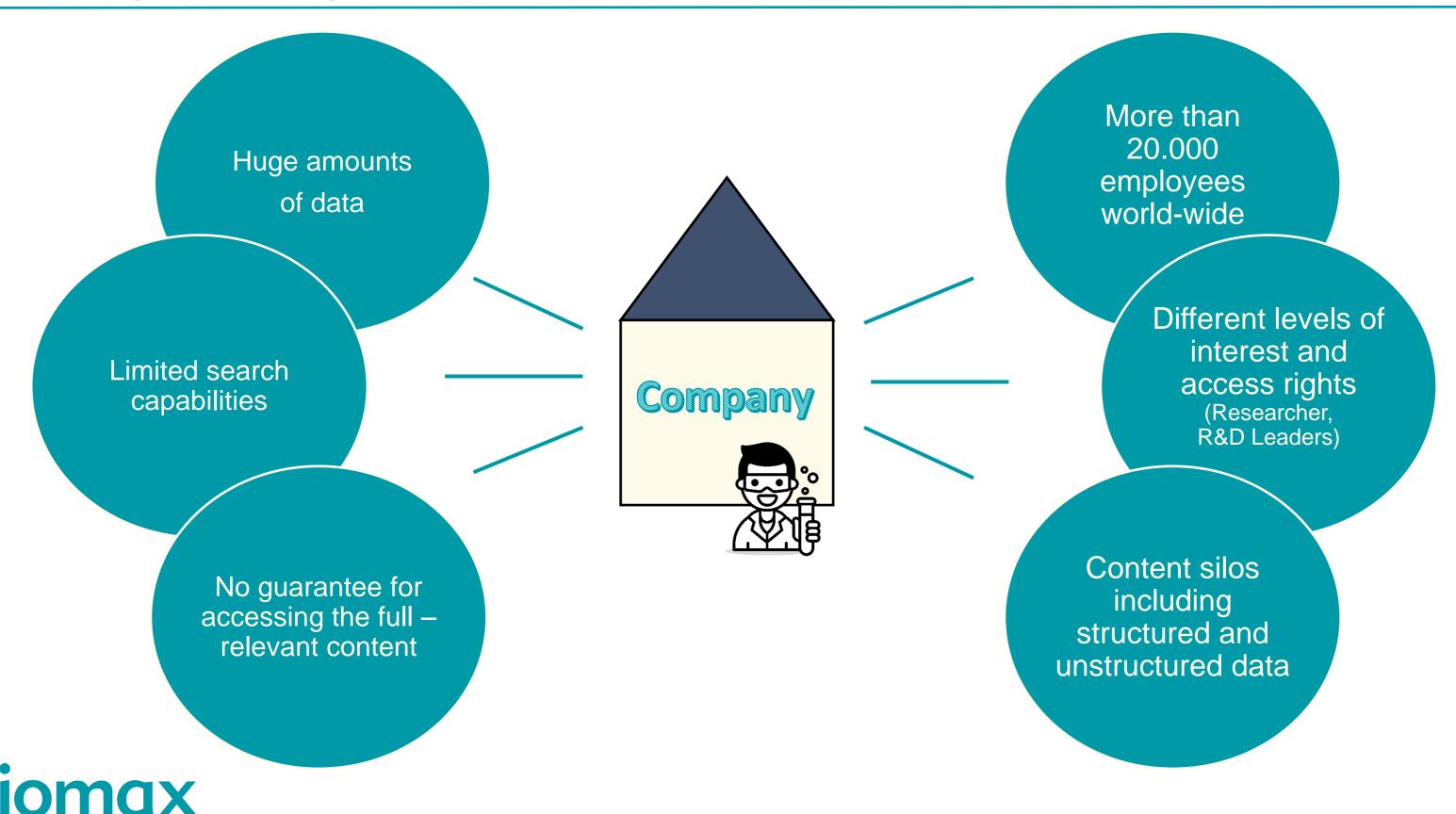
# Our Solution: AlLANI™ for semantic integration and search







# Some years ago...



# Our customer's goal

# "Accelerate innovation through fast and comprehensive knowledge discovery"

- > Method: Al-powered semantic search engine, providing fast, easy and comprehensive knowledge discovery to researchers
- > Extract highly relevant inferred or hidden knowledge



# Why did customer select Biomax?



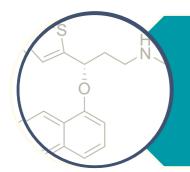
Life Science Expertise for high quality results



Robust semantic search technology built on many years experience with knowledge management platforms



Search incl. Al-based Question/Answering



Extraction and searching of chemical information by OSR and OCR



# The customer's journey

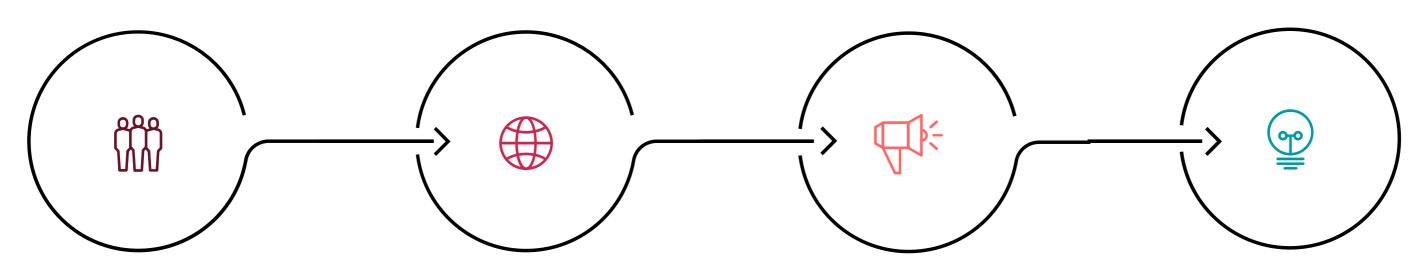
#### **Technical Requirements**

Make 600k internal documents easily accessible across the organization, plus several million external documents, plus daily update



#### **Positive Outcome**

- Corporate AI-based semantic search platform for public and internal data
- A zero footprint solution for a safe and efficient data search
- Insights to innovation and better strategic decisions



#### **Business Requirements**

Enabling all employees to always find the most relevant information by question, keyword or structure.

# 02

#### **Project Tasks**

- Harmonize public ontologies and build custom ontologies
- Build custom Al
  - for question answering
  - for concept matching
  - to identify chemical structures from images





### Today...

- > AILANI has been in productive use now for almost 3 years
- > It is a central tool for all research and product development activities
- > Currently more than 1.300 researcher use AlLANI throughout their daily business, making around 600 searches a week
- > Better results than ever before, answering complex questions like:
  - > What is the current knowledge on my new project?
  - > Which experiments were done last year with compound X?
  - > Were there quality any issues reported by production?
  - > Find internal and external experts on my research challenge







# **AILANI** for everybody

# AILANI Artificial Intelligence LANguage Interface

Transform scattered information points into actionable knowledge:
An intuitive one-stop-shop for accessing internal and public data from anywhere in a completely secure environment.





#### **Options include:**

- Free test account
- Licensing
- POC
- Customized Solution



# **AILANI Cloud**

Features	FREE	PERSONAL	PROFESSIONAL	PRO TEAMS
Phrase/ Concept/ Al search	✓	✓	✓	✓
Chemical Search	✓	✓	✓	<b>✓</b>
Search History		✓	✓	✓
Bookmarked Searches		✓	✓	<b>✓</b>
Scheduled Alerting		✓	✓	✓
Bookmarked Documents, Compounds, Genes, etc.		<b>✓</b>	<b>✓</b>	<b>✓</b>
Document, Compound, Gene, Answer Tagging & Notes		<b>✓</b>	✓	<b>✓</b>
Export of results as table		✓	✓	<b>✓</b>
Export into RIS file for reference management tools		<b>✓</b>	✓	<b>✓</b>
Subscribe to Newsfeeds		✓	✓	✓
Collaboration via shared Document Tagging and Notes				<b>✓</b>
Personalization		pre-configured "persona"	personalized "persona"	personalized "persona"



# **AILANI Enterprise**

AILANI Enterprise Features	SMALL	MEDIUM	LARGE
Functionality of <u>AILANI Cloud</u>	✓	✓	✓
Public content	<b>✓</b>	<b>✓</b>	<b>✓</b>
Additional content optimized for pre- configured domains	<b>✓</b>	<b>✓</b>	<b>✓</b>
Proprietary content with batch upload of text-based documents on demand	<b>✓</b>	<b>✓</b>	<b>✓</b>
Integration of structured data resources on demand		<b>✓</b>	<b>✓</b>
Proprietary content with direct "live" integration of internal infrastructure (Document management systems, ELN, other structured DBs, etc.)			<b>✓</b>
Optical Structure Recognition on proprietary documents	<b>✓</b>	<b>✓</b>	<b>✓</b>
Custom Al Models			<b>✓</b>
Personalization	personalized "persona"	up to 3 personalized "persona"	custom ontologies for domain specific "persona"







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